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CATALOGUE No. 12, AUGUST 1957

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MINISTÈRE DES MINES ET DES RELEVÉS TECHNIQUES

DIVISION DES

MINES

B R A N C H

DEPARTMENT OF MINES AND TECHNICAL SURVEYS

PUBLICATIONS DU GOUVERNEMENT DU CANADA

BIBLIOGRAPHIE N° 12 AOÛT 1957

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MINES ET RELEVÉS TECHNIQUES
DIVISION DES

MINES

BRANCH
MINES AND TECHNICAL SURVEYS

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SECTIONAL CATALOGUE No. 12

AUGUST 1957 AOÛT

BIBLIOGRAPHIE N° 12

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Première édition, août 1957

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OTTAWA, 1957.

PREFACE

In this, the eighteenth edition of the "Catalogue and Index of Mines Branch Publications" certain changes have been made.

Issued in the Sectional Catalogues Series of the Publications Branch, Department of Public Printing and Stationery, the presentation of the material was adapted to the style of this series. In this edition, all reports and maps appear in numerical order with the necessary cross-references from English to French versions of the same report, from maps to accompanying reports and from advance chapters or separates to main reports and vice versa. Added to the contents are a few historical notes on the Mines Branch, the Bulletin Series, Technical Papers Series, Acts and Regulations, Annual Reports.

The two indexes were carefully prepared to give, as far as possible, a complete approach to the publications. In the subject index, the publications (including maps) are arranged in alphabetical order under the metals, minerals or fuels concerned. In the general index, the titles, authors (in capital letters), and place names concerned are listed together in alphabetical order.

JOHN CONVEY,
Director.

Ottawa, August 1, 1957

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PRÉFACE

Plusieurs changements furent apportés dans la présentation et le texte de la 18e édition du "Catalogue des publications de la Division des mines".

Le fait d'être publié pour la première fois dans la série de bibliographies du Service des publications du département des Impressions et de la Papeterie publiques, donne à ce catalogue un caractère nouveau. Dans cette édition, les traductions françaises sont placées dans leur ordre numérique et une référence d'une édition à l'autre est faite dans chaque cas, de plus le titre et la description de l'ouvrage sont donnés en français.

Un soin particulier a été apporté dans la préparation des index afin de faciliter le plus possible le travail de recherches. Dans l'index des sujets, les publications sont groupées par ordre alphabétique selon le titre original en anglais ou en français, sous les noms des métaux, minéraux ou combustibles étudiés. Le mot français renvoie au mot correspondant en anglais et vice versa. Dans l'index général, on trouvera dans un seul ordre alphabétique, les titres, les auteurs (en majuscule) et les noms de lieux.

Le Directeur,

JOHN CONVEY.

Ottawa, le 1er août 1957

SECTIONAL CATALOGUE No. 12—BIBLIOGRAPHIE N° 12

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HOW TO ORDER

Publications listed in this catalogue and accompanied by a price may be purchased from the Queen's Printer, Ottawa, or from the Mines Branch Publications Distribution Office, Mineral Resources Division, Department of Mines and Technical Surveys, Ottawa, Canada.

Remittances must be made in advance of shipment of publications. Cheque or money orders should be made payable to the Receiver General of Canada. Postage stamps are not an acceptable form of currency in Canada.

No extra charge is made for postage on documents forwarded to points in Canada and the United States. To cover cost of postage, 30% is added to the selling price when publications are to be mailed to other countries.

Note.—A limited number of some out-of-print publications and maps are available. Inquiry as to price and availability should be addressed to the Mines Branch Publications Distribution Office, Mineral Resources Division, Department of Mines and Technical Surveys, Ottawa, Canada.

GUIDE DE L'ACHETEUR

Les publications inscrites dans ce catalogue sont en vente lorsqu'un prix est indiqué. On peut se les procurer en s'adressant soit à l'Imprimeur de la Reine, Ottawa, soit à la Division des Mines, Bureau de la distribution des publications, Service des ressources minérales, Ministère des Mines et des Relevés techniques, Ottawa, Canada.

Les commandes sont payables à l'avance et les remises se font par mandats-poste ou chèques visés, payables au Receveur général du Canada. Les timbres-poste ne sont pas acceptés.

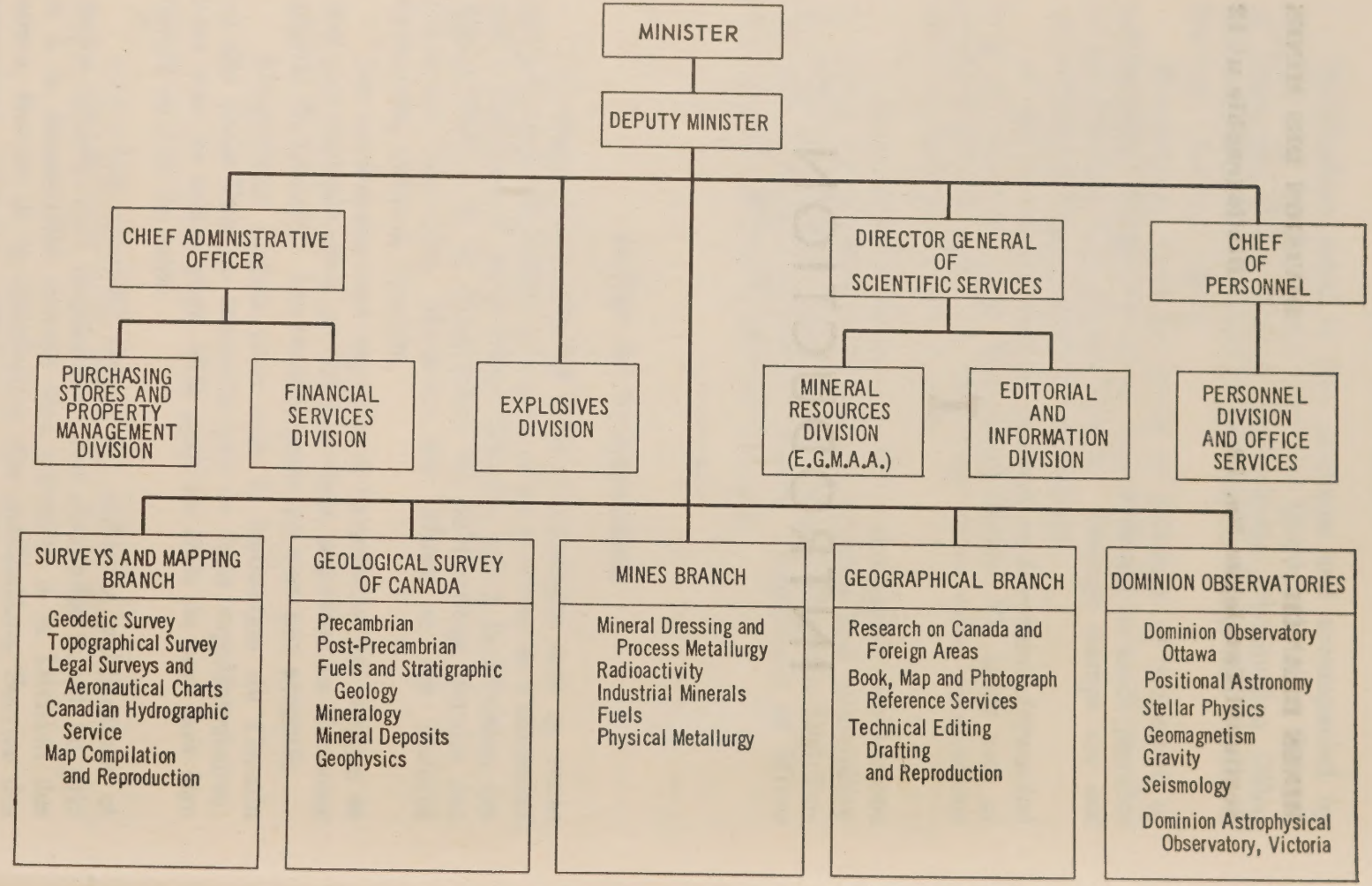
L'expédition postale pour colis à destination du Canada ou des États-Unis ne comporte pas de frais supplémentaires; pour tous les autres pays, 30% pour les frais de port doit être ajouté au prix de vente.

Avis.—Une quantité limitée de certaines publications et cartes épuisées sont disponibles. Les demandes quant au prix et à la disponibilité doivent être adressées à la Division des mines, Bureau de la distribution des publications, Service des ressources minérales, Ministère des Mines et des Relevés techniques, Ottawa, Canada.

I

INTRODUCTION

DEPARTMENT OF MINES AND TECHNICAL SURVEYS



A: HISTORICAL NOTES ON THE MINES BRANCH

1884-1901: Department of the Interior

The appointment of a Superintendent of Mines for Manitoba and Northwest Territories is well explained in the following quotation from the annual report of the Department of the Interior for the year 1884. "The increased accessibility, by means of the Canadian Pacific Railway, now in operation beyond the summit of the Rocky Mountains, and the growing importance of the available mineral resources of the North-West necessitated the appointment of a Superintendent, and Mr. William Pearce, the Inspector of Dominion Land Agencies, was selected for that post." Mr. Pearce was the Superintendent of Mines up to June 5, 1901, when he was transferred to the office of Chief Inspector of Surveys.

1901-1907: Department of the Interior

A new step was taken towards the organization of the Mines Branch with the appointment, on the 5th of June 1901, of Professor Eugene Haanel, Ph.D., as Superintendent of Mines. In the annual report for the year 1901, the Deputy Minister of the Interior said: "It may be explained in this relation that in view of the recent development of mining industries in the Yukon Territory and other sections of the country where the lands are under control of the Dominion government, it was felt that provision should be made for the appointment of a special technical officer whose scientific knowledge and practical experience in mining matters would fit him to take charge of this particular branch, such officer to advise the department upon the requirements in connection with this service and prepare reliable information for publication."

1907-1936: Department of Mines

The first Department of Mines was created by the Geology and Mines Act, S.C., 1907, chapter 29. The Department was divided into two branches, the Geological Survey and the Mines Branch. By an order in Council dated May 15, 1907, the Mines Branch was transferred from the Department of the Interior to the Department of Mines, and Dr. Haanel shortly afterwards received his appointment as Director of the Mines Branch.

The functions of the Mines Branch were to collect and publish full statistics of the mineral production and of the mining and metallurgical industries of Canada, and such data regarding the economic minerals as relate to the processes and activities connected with their utilization, to make detailed investigations of mining camps and areas containing economic minerals or deposits of other economic substances, and to make such chemical, mechanical and metallurgical investigations as were found expedient to aid the mining and metallurgical industry of Canada.

1936-1949: Department of Mines and Resources

The Department of Mines and Resources which came into being on December 1, 1936, under the authority of chapter 33 of the Statutes of Canada, 1936, was divided into five branches. The functions of the new Department were those of the former Departments of Mines, Interior, Indian Affairs, and Immigration and included, as well, those of the Hydrographic Service Division which previously was part of the old Department of Marine.

The Mines and Geology Branch discharged the duties and activities of the former Department of Mines, together with air and topographical surveys transferred from the Topographical and Air Survey Bureau of the former Department of the Interior. The Branch comprised four main units: the Bureau of Geology and Topography, replacing the former Bureau of Economic Geology; the Bureau of Mines, replacing the former Mines Branch; the National Museum of Canada; and the Dominion Fuel Board.

1949- : Department of Mines and Technical Surveys

The Department of Mines and Technical Surveys was created by an Act of Parliament (13 George VI, chapter 17) which received Royal Assent on December 10, 1949, and came into force by Order in Council P.C. 2/330 of January 20, 1950. Its establishment resulted from the organization of certain former government departments into new departments.

As now constituted, the Department is an integrated organization whose primary functions are to provide technological assistance in the development of Canada's mineral resources through studies, investigations, and research in the fields of geology, mineral dressing, and metallurgy, and to carry out geodetic, topographic, hydrographic, and other surveys of use in the development of Canada's natural resources.

The Department has five branches, namely, the Surveys and Mapping Branch, the Geological Survey of Canada, the Mines Branch, the Dominion Observatories, and the Geographical Branch.

B: FUNCTIONS OF THE MINES BRANCH

The **Mines Branch** is primarily concerned with the technological problems of the mineral industry and maintains well-equipped ore testing, mineral dressing, fuel research, ceramic, radioactivity, industrial waters, and physical metallurgy laboratories to handle these problems. The scope of its activities ranges from relatively minor tests on the lowly sands to fundamental research on the rare metals, from handling routine inquiries on various phases of Canadian mineral development to such highly important and specialized assignments as handling the metallurgical problems of the atomic energy project at Chalk River, Ontario.

Within this broad range come tests and research on ores and radioactive minerals designed primarily to work out and to improve treatment methods; investigations on industrial minerals aimed largely toward the greater utilization of Canadian sources of these minerals; work in the ceramic laboratories; intricate studies in the spectrographic and mineralographic laboratories; research on Canadian fuels; investigations in physical metallurgy; and special studies on various phases of Canadian mineral development.

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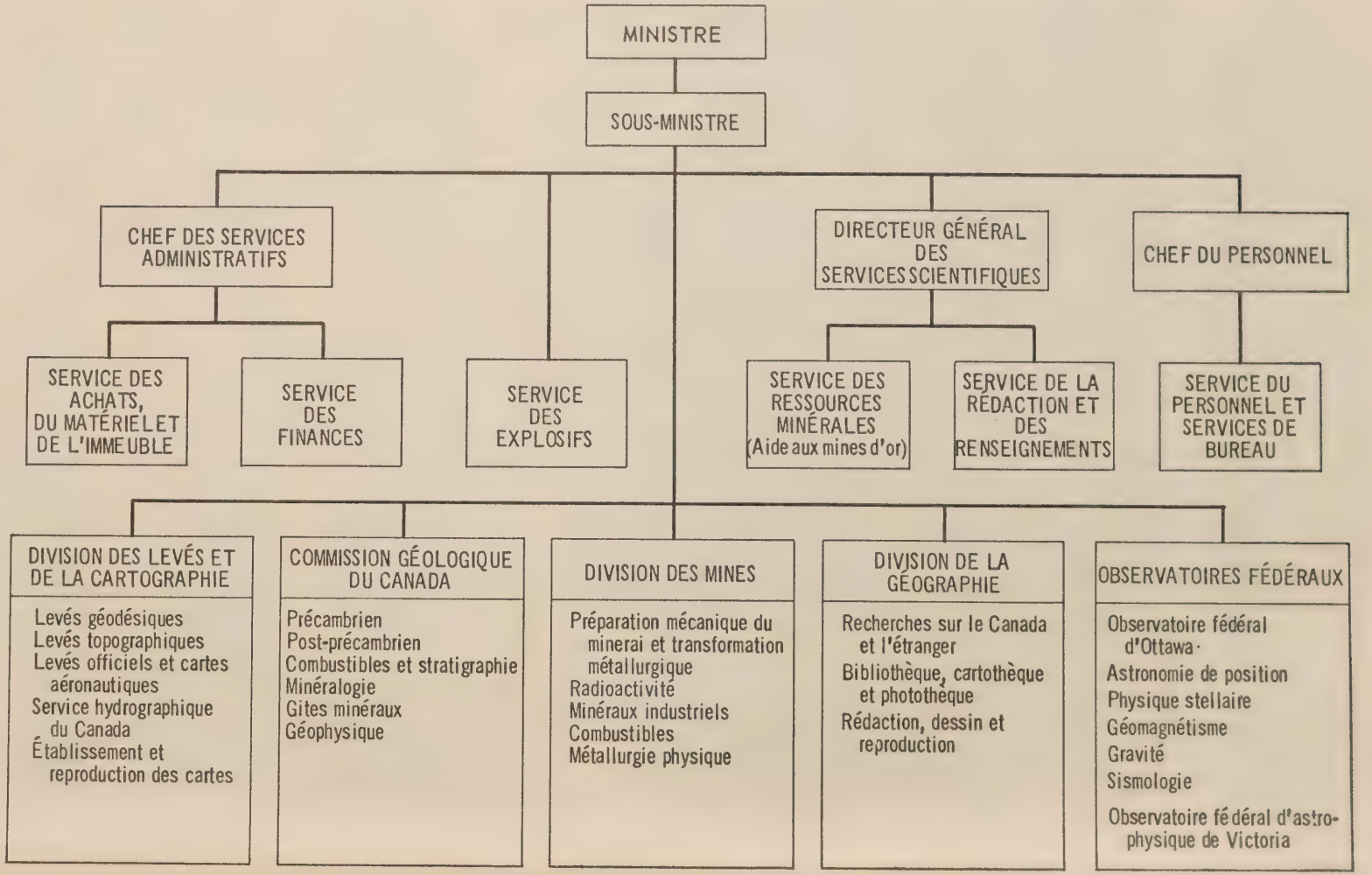
MINISTÈRE DES MINES ET DES RELEVÉS TECHNIQUES



A: NOTES HISTORIQUES SUR LA DIVISION DES MINES

1884-1901: Ministère de l'Intérieur

La nomination du premier surintendant des Mines pour le Manitoba et les régions du Nord-Ouest est ainsi justifiée par le ministre de l'Intérieur dans son rapport annuel pour l'année 1884. "La facilité d'accès aux mines, dans la région du Nord-Ouest, par le moyen du Chemin de fer Pacifique, ouvert aujourd'hui jusqu'au delà de la ligne de faîte des montagnes Rocheuses, et l'importance croissante de ces richesses minérales, ont rendu nécessaire la nomination d'un surintendant. M. William Pearce, inspecteur des agences des terres fédérales, a été choisi pour remplir le nouvel emploi."

M. Pearce fut surintendant jusqu'au 5 juin 1901 alors qu'il fut promu au poste d'inspecteur en chef des arpentages.

1901-1907: Ministère de l'Intérieur

La nomination, le 5 juin 1901, du professeur Eugène Haanel, Ph.D., minéralogiste de renom, au poste de surintendant des mines, marque une nouvelle étape dans l'histoire de la Division des mines, Le sous-ministre de l'Intérieur, dans son rapport annuel pour l'année 1900-1901 explique ainsi cette nomination d'un spécialiste: "Vu le développement récent de l'industrie minière dans le Yukon et dans d'autres régions où le terrain est sous le contrôle du gouvernement canadien, il devenait nécessaire de nommer un employé spécial dont les connaissances scientifiques et l'expérience en matière minière le rendissent compétent pour cet emploi particulier."

Le nouveau surintendant devait organiser la division pour répondre aux nouvelles exigences et était chargé de la compilation des renseignements exacts et des statistiques officielles concernant les mines dans tout le Canada.

Les premiers rapports de la Division des mines parurent dès 1902.

1907-1936: Ministère des Mines

Le premier ministère des Mines fut créé par la "Loi de la géologie et des mines" sanctionnée le 27 avril 1907 (chapitre 29 des Statuts du Canada, 1907). Le ministère comprend deux sections, l'une appelée Section des Mines, et l'autre, Service géologique (1907, c.29, a. 5).

En vertu d'un arrêté en conseil du 15 mai 1907, la Division des mines du ministère de l'Intérieur fut transférée au nouveau ministère des Mines et le Docteur Eugène Haanel fut nommé peu après, directeur de la Division.

D'après la loi (1907, c.29, a. 6.), les fonctions de la section des Mines sont: *a*) de recueillir et publier des statistiques complètes sur la production minérale et les industries minières et métallurgiques du Canada, et toutes informations, au sujet de ses minéraux économiques, se rapportant aux procédés et aux travaux liés à leur utilisation, *b*) de se renseigner en détail sur les camps miniers et les régions contenant des minéraux économiques ou des dépôts d'autres substances économiques, *c*) de faire les recherches chimiques, mécaniques et métallurgiques jugées utiles pour aider l'industrie minière et métallurgique du Canada.

1936-1949: Ministère des Mines et des Ressources

Le ministère des Mines et des Ressources, créé le 1er décembre 1936, en vertu du chapitre 33 des Statuts du Canada de 1936 se compose de cinq divisions dont les fonctions sont celles des anciens ministères des Mines (Division des Mines et de la Géologie), de l'Intérieur (Division des Terres, Parcs et Forêts et des Arpentages et du Génie), des Affaires Indiennes (Division des Affaires Indiennes) et de l'Immigration (Division de l'Immigration).

La division des Mines et de la Géologie remplit les fonctions et accomplit le travail de l'ancien ministère des Mines; elle exécute également les levés topographiques aériens et terrestres dont était chargé auparavant le Service des levés topographiques et aériens de l'ancien ministère de l'Intérieur.

Cette division comprend maintenant quatre services principaux: le Service de Géologie et de Topographie qui remplace l'ancien Bureau de la Géologoie appliquée, le Musée national du Canada, le Service des Mines qui remplace l'ancienne Division des Mines, et la Commission fédérale du Combustible.

1949- : Ministère des Mines et des Relevés techniques

Le ministère des Mines et des Relevés techniques a été créé par une loi du Parlement (13 George VI, chapitre 17) qui a reçu la sanction royale le 10 décembre 1949 et est entrée en vigueur par l'arrêté en conseil C.P. 2/330 du 20 janvier 1950. Sa création a résulté de l'organisation d'anciens ministères de l'État en trois nouveaux ministères.

Comme il est présentement constitué, le ministère des Mines et des Relevés techniques forme un organisme complet qui a pour fonction première d'apporter une aide technique à l'exploitation des ressources minérales du Canada au moyen d'études, d'investigations et de recherches dans le domaine de la géologie, de la préparation mécanique du minerai et de la métallurgie, ainsi que dans les relevés topographiques, géodésiques et autres.

Le Ministère se compose de cinq divisions: la Division des levés et de la cartographie, la Commission géologique du Canada, la Division des mines, les Observatoires fédéraux et la Division de la géographie.

B: FONCTIONS DE LA DIVISION DES MINES

La **Division des mines** s'intéresse surtout aux problèmes techniques de l'industrie minérale et possède des laboratoires bien outillés pour faire l'épreuve du minerai, la préparation mécanique des minéraux, les recherches concernant le combustible, la céramique, la radioactivité, les eaux industrielles et la métallurgie physique afin de résoudre ces problèmes. L'étendue de son activité est aussi considérable que les besoins techniques de l'industrie qu'elle dessert. Son domaine comprend les épreuves relativement secondaires concernant les sables jusqu'à la recherche fondamentale des métaux rares ainsi que les investigations courantes relatives aux diverses phases d'exploitation des minéraux du Canada jusqu'aux tâches importantes et spécialisées se rattachant à la solution de tous les problèmes métallurgiques de l'entreprise d'énergie atomique à Chalk-River.

Dans ce vaste champ d'action, on peut mentionner: les travaux d'analyse de minerais dont le but principal est d'élaborer et d'améliorer les méthodes de traitement et d'aider ainsi à diminuer le coût du bocardage; les investigations relatives aux minéraux industriels visant en grande partie à une utilisation plus absolue des sources canadiennes de ces minéraux; l'activité dans les laboratoires céramiques; les études compliquées faites dans les laboratoires pectrographiques et minéralographiques; les recherches ayant trait aux combustibles canadiens; les analyses et autres travaux concernant les minéraux radioactifs; les investigations variées en métallurgie physique et les études spéciales dans diverses étapes économiques de l'exploitation minérale au Canada.

II

CATALOGUE

BIBLIOGRAPHIE

REPORTS AND MAPS

RAPPORTS

Reports and magnetic survey maps of economic interest published by the Mines Branch. No. 1- , 1902- .

Rapports de la Division des mines. N° 1- , 1902- .

Note.—*Tous les rapports de la Division des mines n'ont pas été publiés en français. Dans la liste complète qui suit les rapports en anglais ou en français figurent sous leur numéro de série respectif et la référence à l'édition correspondante dans l'autre langue est donnée dans chaque cas.*

1.—**Report on copper belt and coal lands near Whitehorse, Y.T., and on the mining conditions of the Klondike, Y.T.,** by Eugene Haanel. 1903. 26p. 8 pls., 4 figs., 1 map. (in Sessional Paper No. 25-1903.)

At head of title: Appendix to the report of the Superintendent of Mines. (Annual report of the Department of the Interior, 1901-02, Part VI.)

Out of print. ***Cat. No. M32-1***

2.—**Report on the great landslide at Frank, Alberta, 1903,** by R. G. McConnell and R. W. Brock. 1904. 17p. 14 pls., 2 figs., 2 maps. (in Sess. Paper No. 25-1904).

Extract from the Annual report of the Department of the Interior, 1902-03, Part VIII.

Out of print. ***Cat. No. M32-2***

3.—**Report of the Commission appointed to investigate the different electro-thermic processes for the smelting of iron ores, and the making of steel, in operation in Europe,** by Eugene Haanel. 1904. 223p. 24 pls., 64 figs.

Appendix.—*Treatise on electro metallurgy or iron, by Henri Harmet.—The electrical manufacture of steel, by Gustave Gin.—Electro-thermic process for the reduction of iron ore, by Ernesto Stassano.—Lecture on the treatment of copper ores by the electric furnace, (Keller process), by M. Ch. Vattier.*

Voir le rapport n° 4 pour l'édition française.

Out of print. ***Cat. No. M32-3***

4.—**Rapport de la Commission nommée pour étudier les divers procédés électro-thermiques pour la réduction des minerais de fer et la fabrication de l'acier employés en Europe,** par Eugene Haanel. 1905. 24 planches, 64 figures.

See Report No. 3 for English edition.

Édition épuisée. ***N° de cat. M32-4F***

5.—**On the location and examination of magnetic ore deposits by magnetometric measurements,** by Eugene Haanel. 1904. 132p. 13 pls., 54 figs.

Out of print. ***Cat. No. M32-5***

6.—**Calabogie mine,** Bagot township, Renfrew County, Ontario; **magnetic survey map,** vertical intensity, by E. Nystrom. 1904. 60′ : 1″.

See also map No. 249.

Out of print. ***Cat. No. M32-6***

Reports and maps—Rapports.—*Continued—Suite.*

7.—**Preliminary report on the limestones and the lime industry of Manitoba,** by J. Walter Wells. 1905. 68p. 8 pls., tables.
Out of print. *Cat. No. M32-7*

8.—**Preliminary report on the industrial value of the clays and shales of Manitoba,** by J. Walter Wells. 1905. 41p. 9 pls., tables.
Out of print. *Cat. No. M32-8*

9.—**Preliminary report on the raw materials, manufacture, and uses of hydraulic cements in Manitoba,** by J. Walter Wells. 1905. 70p. 7 pls.
Out of print. *Cat. No. M32-9*

10.—**Mica: its occurrence, exploitation, and uses,** by Fritz Cirkel. 1905. 148p. 1 pl., 38 figs., 2 maps.
Voir le rapport nº 264 pour l'édition française. See also reports Nos. 118 and 701.
Out of print. *Cat. No. M32-10*

11.—**Asbestos: its occurrence, exploitation and uses,** by Fritz Cirkel. 1905. 170p. 19 pls., 1 map.
See also Reports Nos. 69 and 707.
Out of print. *Cat. No. M32-11*

12.—**Report of the Commission appointed to investigate the zinc resources of British Columbia and the conditions affecting their exploitation,** by Walter Renton Ingalls, and others. 1905. 399p. 68 pls., 32 figs., 2 maps.
Out of print. *Cat. No. M32-12*

13.—**Belmont iron mines,** Belmont township, Peterborough county, Ontario; **magnetic survey map,** vertical intensity, by B. F. Haanel. 1905. 60′ : 1″.
See also map No. 186.
Out of print. *Cat. No. M32-13*

14.—**Wilbur mine,** Lavant township, Lanark county, Ontario; **magnetic survey map,** by B. F. Haanel. 1905. 60′ : 1″.
See also map No. 441.
Out of print. *Cat. No. M32-14*

15.—**Iron ore deposits at Austin Brook,** Gloucester county, New Brunswick; **magnetic survey map,** vertical intensity, by E. Lindeman. 1906.
Out of print. *Cat. No. M32-15*

16.—**Report of the experiments at Sault Ste. Marie, Ontario, under Government auspices, in the smelting of Canadian iron ores by the electro-thermic process,** by Eugene Haanel. 1907. 140p. 23 pls., 21 figs., tables.
This includes the Preliminary Report No. 16A, published in 1906.
Out of print. *Cat. No. M32-16*

16A.—**Preliminary report on the experiments made at Sault Ste. Marie, Ont., under Government auspices, in the smelting of Canadian iron ores by the electro-thermic process,** by Eugene Haanel. 1906. 23p. 4 pls., tables.
See also report No. 16.
Out of print. *Cat. No. M32-16A*

Reports and maps—Rapports.—*Continued—Suite.*

17.—**Report on the present and prospective output of the mines of the silver-cobalt ores of the Cobalt district,** by Eugene Haanel. 1907. 13p.
Out of print. ***Cat. No. M32-17***

18.—**Graphite: its properties, occurrence, refining, and uses,** by Fritz Cirkel. 1907. 307p. 20 pls., 52 figs., 44 tables, 9 maps.
Voir le rapport nº 202 pour l'édition française. See also report No. 511.
Out of print. ***Cat. No. M32-18***

19.—**Peat and lignite: their manufacture and uses in Europe,** by E. Nystrom. 1908. 247p. 34 pls., 228 figs., tables.
Voir le rapport nº 198 pour l'édition française.
Out of print. ***Cat. No. M32-19***

20.—**Report on the iron ore deposits of Nova Scotia** (Part I), by J. E. Woodman. 1909. 226p. 63 pls. or maps.
Out of print. ***Cat. No. M32-20***

21.—**Summary report of the Mines Branch of the Department of Mines for the fiscal year 1907-08.** 1908. 100p. 1 fig., tables. (Sess. Paper No. 26a-1908.)

Contents.—*Director's report, by Eugene Haanel.—Special reports: Iron ore deposits of Vancouver and Texada islands, by E. Lindeman; Alleged iron ore deposits of Ontario and Quebec, by B. F. Haanel; Visit of gas producer plants in and around New York, by B. F. Haanel; Mineral production in 1907 (see report No. 27).—Appendices: Comparison of induction furnaces employed for production of steel, by A. Grönwall: Experiments in intensified nitrification, by means of peat beds, by Muntz and Lainé.*
Voir le rapport nº 21A pour l'édition française.
Out of print. ***Cat. No. M32-21***

21A.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'exercice 1907-08.** 1908. 111p. 1 figure, tableaux. (Doc. parl. nº 26a-1908.)

Sommaire.—*Rapport du directeur, par Eugene Haanel.—Rapports spéciaux: Gisements de fer de l'île de Vancouver, par E. Lindeman; Gisements de fer dans les provinces de Québec et Ontario, par B. F. Haanel; Installations de gazogères aux États-Unis; par B. F. Haanel; Rapport préliminaire sur la production minérale du Canada en 1907, par John McLeish.—Appendices: Comparaisons des divers fours à induction usités dans la fabrication de l'acier, par A. Grönwall; Extrait des travaux de MM. Müntz et Lainé sur la nitrification intensive.*
See report No. 21 for English edition.
Édition épuisée. ***Nº de cat. M32-21F***

22.—**Report on the examination of some iron ore deposits in the districts of Thunder Bay and Rainy River,** Province of Ontario, by F. Hille. 1908. 65p. 7 pls., 18 figs. or maps.
Out of print. ***Cat. No. M32-22***

23.—**Report on the iron ore deposits along the Ottawa (Quebec side) and Gatineau rivers,** by Fritz Cirkel. 1909. 147p. 5 pls., 15 figs., 2 maps.
See maps Nos. 53 and 54.
Out of print. ***Cat. No. M32-23***

24.—**Report on the mining and metallurgical industries of Canada, 1907-08.** 1908. 972p. 75 pls., 16 figs., 6 maps.
See also report No. 597.
Out of print. ***Cat. No. M32-24***

Reports and maps—Rapports.—*Continued—Suite.*

25.—**Report on the tungsten ores of Canada,** by T. L. Walker. 1909. 56p. 10 pls., 6 figs.
Voir le rapport nº 156 pour l'édition française.
Out of print. ***Cat. No. M32-25***

26.—**Annual report on the mineral production of Canada during the calendar year 1906,** by John McLeish. 1909. 182p. Tables. (Sess. Paper No. 26b-1908.)
Voir le rapport nº 26A pour l'édition française.
Out of print. ***Cat. No. M32-26***

26A.—**Rapport annuel de la production minérale du Canada, durant l'année 1906,** par John McLeish. 1909. 182p. Tableaux. (Doc. parl. nº 26b-1908.)
See report No. 26 for English edition.
Édition épuisée. ***Nº de cat. M32-26F***

27.—**Preliminary report on the mineral production of Canada in 1907,** by John McLeish. 1908. 15p. Tables.
Separate part of report No. 21.
Out of print. ***Cat. No. M32-27***

27A.—**Preliminary report on the mineral production of Canada in 1908,** by John McLeish. 1909. 16p. Tables.
Separate part of report No. 28.
Out of print. ***Cat. No. M32-27A***

28.—**Summary report of the Mines Branch of the Department of Mines for the nine months ending December 31, 1908.** 1909. 96p. Tables. (Sess. Paper No. 26a-1909.)

Contents.—***Director's general report,*** *by Eugene Haanel.—Coal tests at McGill University, by J. B. Porter.—**Reports:** Chemical Laboratories, by F. G. Wait; Division of Mineral Resources and Statistics, by John McLeish; Assay Office, Vancouver, by G. Middleton.—**Preliminary reports on field work:** Tungsten ores of Canada, by T. L. Walker; Chrome iron ores and asbestos in province of Quebec, by Fritz Cirkel; Iron ores of Nova Scotia, part II, by J. E. Woodman; Iron ore deposits in New Brunswick and Northwestern Ontario, by E. Lindeman; Magnetometric survey of the Huron Mountain mine, by B. F. Haanel; Magnetite iron ore deposits in Mayo Township, Ont., by Howells Fréchette; Smelting of titaniferous iron ores in the electric furnace at Welland, Ont., by B. F. Haanel; Coal samples for testing Canadian coals at McGill University, by Theophile Denis; Tests made in Scotland of oil-shales sent from New Brunswick, by R. W. Ells; Peat bogs of Canada, by E. Nystrom and A. Anrep; Coal and coal mining in Nova Scotia, by Joseph G. S. Hudson; Gypsum deposits and industry of Nova Scotia and New Brunswick, by W. F. Jennison; Visit to some producer gas plants in and around Berlin, Germany, by B. F. Haanel.—**Appendices:** Progress of electric smelting in Norway, by O. Stalhane; Mineral production, 1908 (see report No. 27A).*
Voir le rapport nº 28A pour l'édition française.
Out of print. ***Cat. No. M32-28***

28A.—**Rapport sommaire de la Division des Mines du ministère des Mines, pour les neuf mois finissant le 31 décembre 1908.** 1909. 110p. Tableaux (Doc. parl. nº 26a-1909.)

Sommaire.—***Rapport général du directeur,*** *par Eugene Haanel.—**Rapports:** Essais de charbon à l'université McGill, par J. B. Porter; Laboratoires de chimie, par F. G. Wait; Bureau des ressources minières et des statistiques, par John McLeish; Essayerie du Dominion à Vancouver, par G. Middleton.—**Rapports préliminaires des travaux de recherches:** Minerais de tungstène, par T. L. Walker; Minerais de fer chromé et amiante*

Reports and maps—Rapports.—*Continued—Suite.*

*de la province de Québec, par Fritz Cirkel; Minerais de fer de la Nouvelle-Écosse, 2e campagne, par J. E. Woodman; Gisements de minerai de fer au Nouveau-Brunswick et dans le nord-ouest d'Ontario, par Einar Lindeman; Relevé magnétique du mont Huron, par B. F. Haanel; Gisements de magnétite du township Mayo, Ont., par Howells Fréchette; Essai de fonte de minerai de fer titanifère dans le four électrique de Welland, Ont., par B. F. Haanel; Prélèvement d'échantillons de charbon pour les essais de charbons canadiens à l'université McGill, par Théophile Denis; Essais effectués en Écosse, sur les schistes pétrolifères envoyés du Nouveau-Brunswick, par R. W. Ells; Les tourbières du Canada, par E. Nystrom et S. A. Anrep; La houille et l'extraction de la houille en Nouvelle-Écosse, par Joseph G. S. Hudson; Les dépôts et l'industrie du gypse en Nouvelle-Écosse et au Nouveau-Brunswick, par W. F. Jennison; Visite à quelques installations de gazogène dans la cité de Berlin et aux alentours, par B. F. Haanel.—***Annexes:*** *Progrès de la fonte électrique en Norvège, par O. Stalhane; Production minérale en Canada 1907-08, par John McLeish.*

See report No. 28 for English edition.

Édition épuisée. *N° de cat. M32-28F*

29.—**Report on the chrome iron ore deposits in the Eastern Townships,** province of Quebec, by Fritz Cirkel. 1909. 141p. 11 pls., 15 figs., tables, 1 map.

Appendices: *I—Notes on the metallurgy of chromium, by W. Borchers. II—Experiments with chromite at McGill University under the direction of J. B. Porter.*

Voir le rapport n° 226 pour l'édition française. See also map No. 57.

Out of print. *Cat. No. M32-29*

30.—**Investigation of the peat bogs and peat fuel industry of Canada** during the season 1908-09, by Erik Nystrom and S. A. Anrep. Second edition. 1909. 25p. 6 maps. (Bulletin No. 1)

See maps Nos. 36, 37, 38, 39, 40, and 41.

25¢. *Cat. No. M32-30*

31.—**The production of cement in Canada during the calendar year 1908,** by John McLeish. 1909. 4p. Tables.

Advance chapter of report No. 58.

Out of print. *Cat. No. M32-31*

32.—**Report on the investigation of an electric shaft furnace, Domnarfvet, Sweden,** by Eugene Haanel. Second edition. 1909. 40p. 5 pls., 8 figs.

25¢. *Cat. No. M32-32*

33.—**Mayo township, lot 1, concession VI, Hastings county, Ontario;** (magnetite occurrence) **magnetometric survey map,** vertical intensity, by Howells Fréchette. 1909. 60′ : 1″

See also map No. 191.

Out of print. *Cat. No. M32-33*

34.—**Mayo township,** lots 2 and 3, concession VI, Hastings county, Ontario; (magnetite occurrence) **magnetometric survey map,** vertical intensity, by Howells Fréchette. 1909. 60′ : 1″.

See also map No. 191.

Out of print. *Cat. No. M32-34*

35.—**Mayo township,** lots 10, 11, and 12, concession IX, and lots 11 and 12, concession VIII, Hastings county, Ontario; (magnetite occurrence) **magnetometric survey map,** by Howells Fréchette. 1909. 60′ : 1″.

See also map No. 191.

Out of print. *Cat. No. M32-35*

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36.—**Mer Bleue peat bog,** Gloucester township, Carleton county, and Cumberland township, Russel county, Ontario; **survey map,** by Erik Nystrom and A. Anrep. 1909. 1056′ : 1″.
Accompanying report No. 30.
Out of print. ***Cat. No. M32-36***

37.—**Alfred peat bog,** Alfred and Caledonia townships, Prescott county, Ontario; **survey map,** by Erik Nystrom and A. Anrep. 1909. 1056′ : 1″.
Accompanying report No. 30.
Out of print. ***Cat. No. M32-37***

38.—**Welland peat bog,** Wainfleet and Humberstone townships, Welland county, Ontario; **survey map,** by Erik Nystrom and A. Anrep. 1909. 1056′ : 1″.
Accompanying report No. 30.
Out of print. ***Cat. No. M32-38***

39.—**Newington peat bog,** Osnabruck, Roxborough and Cornwall townships, Stormont country, Ontario; **survey map,** by Erik Nystrom and A. Anrep. 1909. 1056′ : 1″.
Accompanying report No. 30.
Out of print. ***Cat. No. M32-39***

40.—**Perth peat bog,** Drummond township, Lanark county, Ontario; **survey map,** by Erik Nystrom and A. Anrep. 1909. 1056′ : 1″.
Accompanying report No. 30.
Out of print. ***Cat. No. M32-40***

41.—**Victoria Road peat bog,** Bexley and Carden townships, Victoria county, Ontario; **survey map,** by Erik Nystrom and A. Anrep. 1909. 200′ : 1″.
Accompanying report No. 30.
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42.—**The production of iron and steel in Canada during the calendar years 1907 and 1908,** by John McLeish. 1909. 35p. Tables.
Advance chapter of report No. 58.
Out of print. ***Cat. No. M32-42***

43.—**The production of chromite in Canada during the calendar years 1907-08,** by John McLeish. 1909. 6p. Tables.
Advance chapter of report No. 58.
Out of print. ***Cat. No. M32-43***

44.—**The production of asbestos in Canada during the Calendar years 1907-08,** by John McLeish. 1909. 8 p. Tables.
Advance chapter of report No. 58.
Out of print. ***Cat. No. M32-44***

45.—**The production of coal, coke, and peat in Canada during the calendar years 1907 and 1908,** by John McLeish. 1909. 34p. Tables.
Advance chapter of report No. 58.
Out of print. ***Cat. No. M32-45***

46.—**Production of natural gas and petroleum in Canada during the calendar years 1907 and 1908.** 1909. 16p. Tables.
Advance chapter of report No. 58.
Out of print. ***Cat. No. M32-46***

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47.—**Iron ore deposits of Vancouver and Texada islands,** British Columbia, by Einar Lindeman. 1910. 29p. 5 maps.

See maps Nos. 48, 49, 50, 51 and 52.

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48.—**Magnetic survey of Iron Crown claim at Klaanch River,** Vancouver Island, B.C.; **map of vertical intensity,** by E. Lindeman. 1908. 60′:1″.

Accompanying report No. 17. See also map 442.

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49.—**Magnetic survey of the Western Steel Iron claim at Sechart,** Vancouver Island, B.C.; **map of vertical intensity,** by E. Lindeman. 1908. 60′:1″.

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50.—**Vancouver Island, B.C.; index map** to iron ore deposits of Vancouver and Texada islands, by E. Lindeman. 1910. 24m:1″.

Accompanying report No. 47.

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51.—**Iron mines, Texada Island, B.C.; map,** by F. H. Shepherd. 1908. 500′:1″.

Accompanying report No. 47.

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52.—**Sketch map of bog iron ore deposits, West Arm,** Quatsino Sound, Vancouver Island, B.C., by L. Frank. 1908. 1000′:1″.

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53.—**Iron ore occurrences, Ottawa and Pontiac counties, Quebec; map,** by James White and Fritz Cirkel. 1908. 4m:1″.

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54.—**Iron ore occurrences, Argenteuil county, Quebec; map,** by James White and Fritz Cirkel. 1908. 4m:1″.

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Out of print. *Cat. No. M32-54*

55.—**Joint report on the bituminous or oil-shales of New Brunswick and Nova Scotia,** also, on the oil shale industry of Scotland. (Part I) Economics, and, (Part II) Geology, by R. W. Ells. 1909-1910. 1 vol.

Prepared in cooperation with the Geological Survey Branch.

Contents.—*Part I: Report on tests made in Scotland of oil-shale sent from New Brunswick in the Spring of 1908, with a view of ascertaining its economic value: especially as regards the yield of crude oil, and sulphate of ammonia, by R. W. Ells; with in appendix: The technology of the Scottish shale oil industry, by W. A. Hamor. 1910. 61p. 15 pls., 6 figs., tables. (Mines Branch report 55).—Part II: Geological position and character of the oil-shale deposits of Canada, by R. W. Ells. 1909. 75p. Tables. (Geological Survey Branch report 1107.)*

Voir le rapport nº 56 pour l'édition française.

Out of print. *Cat. No. M32-55*

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56.—**Rapport conjoint sur les schistes bitumineux ou pétrolifères du Nouveau-Brunswick et de la Nouvelle-Écosse.** ainsi que sur l'industrie des schistes pétrolifères de l'Écosse. Première partie: Industrie; seconde partie: Géologie, par R. W. Ells. 1914. 65+86p. 15 planches, 6 figures, tableaux. (Rapport de la Commission géologique n° 1108.)

See report No. 55 for English edition.

Édition épuisée. *N° de cat. M32-56F*

57.—**The productive chrome iron ore district of Quebec; map,** by Fritz Cirkel. 1909. 1m:1".

Accompanying report No. 29.

Out of print. *Cat. No. M32-57*

58.—**Annual report on the mineral production of Canada during the calendar years 1907 and 1908,** by John McLeish. 1910. 286p. Tables.

See Reports No. 31, 42, 43, 44, 45, and 46, for advance chapters.

Out of print. *Cat. No. M32-58*

59.—**Report of analysis of ores, non-metallic minerals, fuels,** etc., made in the Chemical Laboratories during the years 1906, 1907, 1908, arranged by F. G. Wait. 1909. 126p. 2 pls., tables.

Appendix: *Description of commercial methods and apparatus for the analysis of oil-shales, by H. A. Leverin.*

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60.—**Bristol mine,** Pontiac county, Quebec; **magnetometric survey map, vertical intensity,** by E. Lindeman. 1909. 200':1".

Accompanying report No. 67. See also map No. 443.

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61.—**Bristol mine,** Pontiac county, Quebec; **topographical map,** by E. Lindeman. 1909. 200':1".

Accompanying report No. 67.

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62.—**Preliminary report on the mineral production of Canada, during the calendar year 1909,** by John McLeish. 1910. 18p. Tables.

Out of print. *Cat. No. M32-62*

63.—**Summary report of the Mines Branch of the Department of Mines for the calendar year 1909.** 1910. 181p. 4 pls., tables. (Sess. Paper No. 26a-1910.)

Contents.—*Director's general report, by Eugene Haanel.—Coal test at McGill University, by J. B. Porter.*—**Reports on work:** *Chemical Laboratories, by F. C. Wait; Division for Mineral Resources and Statistics, by John McLeish; Dominion of Canada Assay Office, Vancouver, by G. Middleton.*—**Preliminary reports on field work:** *Molybdenum ores of Canada, by T. L. Walker; Magnetic concentration of iron and copper nickel ores, by Geo. C. Mackenzie; Manganese ore deposits in Nova Scotia and New Brunswick, by Théophile C. Denis; Iron ores and metallurgical limestones of Nova Scotia, 3rd season, by J. E. Woodman; Magnetic survey of some mining locations at Temagami, Ont., by Einar Lindeman; copper mining industry in Quebec; by Alfred W. G. Wilson; Nicolet antimony mine, Spalding iron locations, talc and soapstone in Megantic county, Quebec, by Alfred G. Wilson; Iron ore properties in Northeastern Ontario, by Howells Fréchette; Gypsum resources of Nova Scotia, by W. F. Jennison; Asbestos deposits in the province of Quebec, by Fritz*

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Cirkel; Iron ore occurrences in the provinces of Ontario, Quebec and New Brunswick, by B. F. Haanel; Harris peat gas process, by B. F. Haanel; Peat bogs of Canada, by A. Anrep; Coal mining in Nova Scotia, by Joseph G. S. Hudson; Accidents in mines, by Joseph G. H. Hudson.— ***Appendices:*** *Mineral production in Canada in 1909 (See report No. 62); Description of commercial methods and apparatus for the analysis of oil-shales, by Harold Leverin; Prevention of mine explosions; Examination of magnetic ore deposits, by Howells Fréchette.*

Voir le rapport nº 63A pour l'édition française.

Out of print. ***Cat. No. M32-63***

63A.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'année civile 1909.** 1910. 176p. 4 planches, tableaux. (Doc. sessionnel nº 26a-1910.)

Sommaire.—***Rapport général du directeur,*** *par Eugene Haanel.—****Rapports:*** *Essais de charbon à l'Université McGill, par J. B. Porter; Laboratoires de chimie, par F. G. Wait; Bureau des ressources et statistiques minières, par John McLeish; Essayerie de la Puissance du Canada, Vancouver, par G. Middleton.—Rapports préliminaires des travaux de recherches: Minerais de molybdène en Canada, par T. L. Walker; Concentration magnétique des minerais de fer et de cuivre-nickel, par Geo. C. Mackenzie; Gisements de minerai de manganèse en Nouvelle-Écosse et Nouveau-Brunswick, par Théophile C. Denis; Minerais de fer et calcaires métallurgiques de Nouvelle-Écosse, 3e campagne, par J. E. Woodman; Relevé magnétique de quelques emplacements miniers à Temagami, Ont., par Einar Lindeman; Industrie des mines de cuivre dans Québec, par Alfred W. G. Wilson; Mine d'antimoine de Nicolet, emplacement de fer de Spalding, et, existence de talc et de saponite dans le comté de Mégantic, Québec, par Alfred W. G. Wilson; Gîtes de minerai de fer dans le nord-est d'Ontario, par Howells Fréchette; Ressources de gypse de la Nouvelle-Écosse, par W. F. Jennison; Gisements d'amiante de la province de Québec, par Fritz Cirkel; Gîtes de minerai de fer signalés dans les provinces d'Ontario, Québec et Nouveau-Brunswick, par B. F. Haanel; Recherche sur le procédé de gaz de tourbe de Harris, par B. F. Haanel; Tourbières du Canada, par A. Anrep; Extraction de la houille en Nouvelle-Écosse, et, Accidents dans les mines par Joseph G. S. Hudson.—* ***Annexes:*** *Rapport préliminaire de la production minérale, 1909, par John McLeish; Méthode commerciale pour l'analyse des schistes pétrolifères, par H. Leverin; Prévention des explosions de mines; Examen des gisements de minerai magnétique, par Howells Fréchette.*

See report No. 63 for English edition.

Édition épuisée. ***Nº de cat. M32-63F***

64.—**Index map of part of the province of Nova Scotia showing distribution of occurrences of gypsum,** by W. F. Jennison. 1911. 15m:1′.

Accompanying report No. 84.

Out of print. ***Cat. No. M32-64***

65.—**Index map of part of the province of New Brunswick showing distribution of occurrences of gypsum,** by W. F. Jennison. 1911. 20m : 1″.

Accompanying report No. 84.

Out of print. ***Cat. No. M32-65***

66.—**Map of the Magdalen Islands showing gypsum deposits,** by W. F. Jennison. 1911. 1½m : 1″.

Accompanying report No. 84.

Out of print. ***Cat. No. M32-66***

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67.—**Iron ore deposits of the Bristol mine,** Pontiac County, Que.; **magnetometric survey,** etc., by E. Lindeman: **Magnetic concentration of ores,** by Geo. C. MacKenzie. 1910. 15p. 2 pls., 2 figs., 2 maps. (Bulletin No. 2.)
Voir le rapport nº 314 pour l'édition française. See maps No. 60 and 61.
Out of print. ***Cat. No. M32-67***

68.—**Recent advances in the construction of electric furnaces for the production of pig iron, steel, and zinc,** by Eugene Haanel. 1910. 76p. 1 pl., 17 figs. (Bulletin No. 3.)
Voir le rapport nº 263 pour l'édition française.
Out of print. ***Cat. No. M32-68***

69.—**Chrysotile-asbestos: its occurrence, exploitation, milling, and uses,** by Fritz Cirkel. Second edition. 1910. 316p. 66 pls., 88 figs., 2 maps.
Appendix: *The testing of heat-insulating materials, by Frederick Bacon.*
Voir le rapport nº 81 pour l'édition française. See also report No. 707 and maps No. 78 and 86.
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70.—**Northeast Arm iron range,** Lake Temagami, Nipissing district, Ontario; **magnetometric survey map,** by E. Lindeman. 200′ : 1″.
See Summary report No. 63. See also map No. 444.
Out of print. ***Cat. No. M32-70***

71.—**Investigation of the peat bogs and peat industry of Canada during the season 1909-10,** by Aleph Anrep. Second edition. 1910. 44p. 17pls., 6 figs., 6 maps. (Bulletin No. 4.)
Appendices.—*Mr. Alf. Larson's paper on Dr. M. Ekenberg's wet-carbonizing process, translated by A. Anrep from "Teknisk Tidskrift", No. 12, December 26, 1908.—Lieut. Ekelund's pamphlet entitled "A solution of the peat problem", 1909, describing the Ekelund process for the manufacture of peat powder, translated by Harold A. Leverin. (Note: The first edition does not contain the translation of Lieut. Ekelund's pamphlet.)*
Voir le rapport nº 196 pour l'édition française.
See maps No. 72, 73, 74, 75, 76, and 77.
Out of print. ***Cat. No. M32-71***

72.—**Brunner peat bog,** Perth county, Ontario; **map,** by A. Anrep. 1910. 1056′ : 1″.
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73.—**Komoka peat bog,** Middlesex county, Ontario; **map,** by A. Anrep. 1910. 1000′ : 1″.
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74.—**Brockville peat bog,** Leeds county, Ontario; **map,** by A. Anrep. 1910. 1000′ :1″.
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75.—**Rondeau peat bog,** Kent county, Ontario; **map,** by A. Anrep. 1910. 1056′ : 1″.
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77.—**Profile of main ditch, Government peat bog, Alfred, Ontario; map,** by A. Anrep. 1910.
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78.—**Asbestos region, Quebec; map,** by Fritz Cirkel. 1910. 1m : 1".
Accompanying report No. 69.
Out of print. ***Cat. No. M32-78***

79.—**The production of iron and steel in Canada during the calendar year 1909,** by John McLeish. 1910. 35p. Tables.
Advance chapter of report No. 88.
Out of print. ***Cat. No. M32-79***

80.—**The production of coal and coke in Canada during the calendar year 1909,** by John McLeish. 1910. 36p. Tables.
Advance chapter of report No. 88.
Out of print. ***Cat. No. M32-80***

81.—**Amiante-chrysotile; gisements, exploitation, ateliers de préparation et usages,** par Fritz Cirkel. 2e edition. 1911. 321p. 66 planches, 88 figures, 2 cartes.
Appendice.—*De l'essai de substances isolatrices de la chaleur, par Fréderic Bacon.*
See report No. 69 for English edition.
Édition épuisée. ***N° de cat. M32-81F***

82.—**Magnetic concentration experiments** with: iron ores of the Bristol Mines, Que.; iron ores of the Bathurst Mines, N.B.; a copper nickel ore from Nairn, Ontario, by George C. MacKenzie. 1910. 28p. 4 figs., tables. (Bulletin No. 5.)
Out of print. ***Cat. No. M32-82***

83.—**An investigation of the coals of Canada with reference to their economic qualities,** as conducted at McGill University under the authority of the Dominion Government, by J. B. Porter, R. J. Durley and others. 1912. 6 volumes.
Short title: **Coals of Canada: an economic investigation.**
See also report No. 338, volume 7. Voir le rapport n° 308 pour l'édition française.

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Vol. 5.—Appendix 3: **Detailed results of the gas producer trials,** by R. J. Durley. 318p. Tables, graphs.

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Vol. 2, part 9.—**Work of the chemical laboratory,** by Edgar Stansfield. Pp. 121-184. 11 pls., 7 figs., tables.

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84.—**Report on the gypsum deposits of the Maritime Provinces,** by W. F. Jennison. 1911. 171p. 36 pls., 19 figs., 3 maps.

Voir le rapport nº 233 pour l'édition française. See also reports No. 245 and 714 and maps No. 64, 65, and 66.

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85.—**The production of cement, lime, clay products, stone, and other structural materials in Canada during the calendar year 1909,** by John McLeish. Ottawa, 1910. 47p. Tables.
Advance chapter of report No. 88.
Out of print. *Cat. No. M32-85*

86.—**General distribution of serpentine in the Eastern Townships, Quebec; map,** by Fritz Cirkel. 1910. 20m:1".
Accompanying report No. 69.
Out of print. *Cat. No. M32-86*

87.—Not published.

88.—**Annual report on the mineral production of Canada during the calendar year 1909,** by John McLeish. 1911. 291p. Tables.
Out of print. *Cat. No. M32-88*

89.—**Proceedings of Conference on proposed legislation to regulate the manufacture, importation, and testing of explosives,** held in Ottawa, Sept., 23 and 30, 1910. Reprint, 1911. 49p.
10¢. *Cat. No. M32-89*

90.—**The exploitation of our peat bogs for the production of fuel for domestic and industrial purposes,** by Eugene Haanel. 1910. 8p. (Reprint of presidential address delivered at the fourth annual meeting of the American Peat Society, held at Ottawa, July 25, 1910.)
Out of print. *Cat. No. M32-90*

91.—Not published.

92.—**Report on the explosives industry** in the Dominion of Canada, by Arthur Desborough. 2nd edition. 1911. 16p.
10¢. *Cat. No. M32-92*

93.—**Report on the molybdenum ores of Canada,** by T. L. Walker. 1911. 64p. 14 pls., 10 figs.
Voir le rapport nº 197 pour l'édition française.
Out of print. *Cat. No. M32-93*

94.—**Cobalt, Gowganda, Shiningtree and Porcupine districts,** Temiscaming county, Ontario; **map,** by L. H. Cole. 1911. 7m:1".
Accompanying report No. 103.
Out of print. *Cat. No. M32-94*

95.—**General map of Canada, showing coal and lignite fields,** by J. B. Porter. 1911. 100m:1".
Accompanying report No. 83, Vol. I.
Out of print. *Cat. No. M32-95*

96.—**Coal fields of Nova Scotia and New Brunswick; general map,** by J. B. Porter. 1911. 12m:1".
Accompanying report No. 83, Vol. I. See also map No. 434.
Out of print. *Cat. No. M32-96*

97.—**Coal fields in Alberta, Saskatchewan, and Manitoba; general map,** by D. B. Dowling. 1911. 35m:1".
Accompanying report No. 83, Vol. I.
Out of print. *Cat. No. M32-97*

Reports and maps—Rapports.—*Continued—Suite.*

98.—**Coal fields in British Columbia; general map,** by J. B. Porter. 1911. 35m:1".
Accompanying report No. 83, Vol. I.
Out of print. ***Cat. No. M32-98***

99. —**Coal fields in Yukon Territory; general map,** by J. B. Porter. 1911. 32m:1".
Accompanying report No. 83, Vol. I.
Out of print. ***Cat. No. M32-99***

100.—**Report on the building and ornamental stones of Canada; Vol. I; Ontario,** by W. A. Parks. 1912. 376p. 77 pls., 21 figs, tables.

Contents.—*Part I: Introduction containing general information with regard to the quarrying, testing and handling of stones.—Part II: Systematic description of the building and ornamental stones of Ontario.* Voir le rapport n° 100A pour l'édition française. See also reports No. 203, 279, 388 and 452.
Out of print. ***Cat. No. M32-100***

100A.—**Rapport sur les pierres de construction et d'ornement du Canada; Vol. I; Ontario,** par W. A. Parks. 1912. 437p. 77 planches, 21 figures, tableaux.

Sommaire.—*Partie I: Introduction contenant des renseignements généraux sur l'exploitation, l'essai et la manutention, des pierres.—Partie II: Description systématique des pierres de construction et d'ornement de l'Ontario.*
See report No. 100 for English edition. Voir aussi rapports n^{os} 280, 389.
Édition épuisée. ***N° de cat. M32-100F***

101.—Not published.

102.—**Preliminary report on the mineral production of Canada during the calendar year 1910,** by John McLeish. 1911. 21p. Tables.
Part of report No. 103.
Out of print. ***Cat. No. M32-102***

103.—**Summary report of the Mines Branch of the Department of Mines for the calendar year 1910.** 1911. 243p. 16 pls., 1 fig., tables, 1 map. (Sess. paper No. 26a-1911.)

Contents.—*Director's general report, by Eugene Haanel.*—**Reports:** *Chemical Laboratories, by F. G. Wait; Statistical Division, by John McLeish; Assay Office, by G. Middleton; Fuel Testing Station, by B. F. Haanel; Metallurgical Laboratory, by G. C. Mackenzie.*—**Preliminary reports on field work:** *Molybdenum ores of Ontario and British Columbia, by T. L. Walker; Copper mining industry in Ontario and Maritime Provinces, by Alfred W. G. Wilson; The Austin-Brook iron-bearing district, New Brunswick, by E. Lindeman; Iron ore deposits at Torbrook, Annapolis Co., N.S., and, Magnesite deposits, township of Grenville, Argenteuil Co., Que., by Howells Fréchette; Tin-ore, in the vicinity of Arnprior, Ont., Cobalt-silver district, Gowganda and Elk Lake silver district, Shiningtree and Rosey Creek Silver district, Porcupine gold district, by L. H. S. Cole; Mica deposits of Ontario and Quebec, by Hugh S. de Schmid; Building and ornamental stones of Ontario: south of the Ottawa and French rivers, by Prof. W. A. Parks; Peat bogs of Canada, and manufacture of peat fuel at the Government peat plant, Alfred, Ont., by A. Anrep; Tests of Blaugas, by Edgar Stansfield; Explosives industry in the Dominion of Canada, by Capt. Arthur Desborough; Explosives factories of Canada, and on the collection of data relating to mining operations, Explosion of "Virite" at Hull, Que., Explosion of "Blasters' Friend", at Sand Point, near Arnprior, Ont., coal mine disaster at Bellevue mine,*

Reports and maps—Rapports.—*Continued—Suite.*

near Frank, Alta., by J. G. S. Hudson.—**Appendices:** *Mineral production of Canada for 1910 (see report No. 102); Conference on proposed legislation to regulate the manufacture, importation, and testing of explosives; Bill 79, The Explosives Act, 1910-11.*

Voir le rapport nº 103A pour l'édition française. See map No. 94.

Out of print. ***Cat. No. M32-103***

103A.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'année civile 1910.** 1912. 239p. 16 planches, 1 figure, 1 carte. (Doc. parl. nº 26a-1911.)

Sommaire.—*Rapport général du directeur, par Eugène Haanel.*—*Rapports: Laboratoires de chimie, par F. G. Wait; Division des richesses et statistiques minières, par John McLeish; Essayerie de la Puissance du Canada, par G. Middleton; Station d'essai de combustible, par B. F. Haanel; Laboratoire de métallurgie et de préparation de minerai, par C. Mackenzie.*—*Rapports préliminaires des travaux sur le terrain: Minerai de molybdène d'Ontario et Colombie-Britannique, par T. L. Walker; Industrie de l'extraction du cuivre dans Ontario et les Provinces maritimes, par Alfred W. G. Wilson; District ferrifère d'Austin Brook, N.-B., par E. Lindeman; Investigation sur les gisements de minerai de Torbrook, comté d'Annapolis, Nouvelle-Écosse, et les gisements de magnésite, canton de Grenville, comté d'Argenteuil, Qué., par Howells Fréchette; Investigation sur une prétendue découverte de minerai d'étain dans le voisinage d'Arnprior, Ont., District argentifère de Cobalt, de Gowganda et Elk Lake, de Shiningtree et Rosey Creek, de Porcupine, par L. H. Cole; Gisements de mica d'Ontario et Québec, par Hugh S. de Schmid; Pierres de construction et d'ornement d'Ontario, au sud de la rivière Ottawa et de la rivière au Français, par W. A. Parks; Tourbières du Canada et la fabrication de la tourbe combustible à la fabrique de tourbe du gouvernement à Alfred, Ont., par A. Anrep; Essais de Blaugas, par Edgar Stansfield; Industrie des explosifs en Canada, par Arthur Desborough; Fabriques d'explosifs du Canada et de la réunion de données relatives aux opérations minières, Explosion de virite à Hull, Qué., Explosion de "Blaster's Friend" à Sand Point, près d'Arnprior, Ont., Catastrophe de la mine de houille de Bellevue, près de Frank, Alta., par J. G. S. Hudson.*—**Annexes:** *Production minérale du Canada en 1910, par John McLeish; Conférence sur la législation projetée pour réglementer la fabrication, l'importation et l'essai des explosifs, par Eugène Haanel; Bill 79, Loi des explosifs, 1910-11.*

See report No. 103 for English edition.

Édition épuisée. ***Nº de cat. M32-103F***

104.—**Catalogue of publications of the Mines Branch, 1907-11,** containing tables of contents of the various technical reports, monographs, bulletins, etc., together with a list of magnetometric survey maps, working plans, etc.; including also a digest of technical memoirs and the annual summary of reports of the Superintendent of Mines issued by the Department of the Interior, 1902-1906. 1912. 135p.

Out of print. ***Cat. No. M32-104***

105.—**Austin Brook iron-bearing district, New Brunswick,** by Einar Lindeman. Ottawa, 1913. 15p. 3 pls., 5 figs., 3 maps in pocket.

Voir le rapport nº 219 pour l'édition française. See maps No. 106, 107, and 108.

15¢. ***Cat. No. M32-105***

106.—**Austin Brook iron-bearing district,** Bathurst township, Gloucester county, N.B.; **geological map,** by E. Lindeman. 1912. 400′ : 1″.

Accompanying reports No. 105 and 217, Vol. I.

25¢. ***Cat. No. M32-106***

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Reports and maps—Rapports.—*Continued—Suite.*

107.—**Austin Brook iron-bearing district,** Gloucester county, N.B., **magnetometric survey map,** vertical intensity, by E. Lindeman. 1912. 400′ : 1″.
Accompanying reports No. 105 and 217, Vol. I.
25¢. *Cat. No. M32-107*

108.—**Index map showing iron-bearing area at Austin Brook,** by E. Lindeman. 1911. 400′ : 1″.
Accompanying report No. 105.
25¢. *Cat. No. M32-108*

109.—Not published.

110.—**Western portion of Torbrook iron ore deposits,** Annapolis county, N.S., by Howells Fréchette. 1912. 20p. 4 pls., 1 map. (Bulletin No. 7.)
See map No. 141.
10¢. *Cat. No. M32-110*

111.—**Diamond drilling at Point Mamainse, Ontario,** by Alfred C. Lane, with introductory by A. W. G. Wilson. 1911. 59p. 5 pls., 1 fig., 1 map. (Bulletin No. 6.)
See map No. 112.
Out of print. *Cat. No. M32-111*

112.—**Sketch plan showing geology of Point Mamainse, Ont.,** by Professor A. C. Lane. 1912. 4,000′ : 1″.
Accompanying report No. 111.
Out of print. *Cat. No. M32-112*

113.—**Holland peat bog, Ontario; map,** by A. Anrep. 1912. 1600′ : 1″.
Accompanying report No. 151.
Out of print. *Cat. No. M32-113*

114.—**The production of cement, lime, clay products, stone, and other structural materials in Canada during the calendar year 1910,** by John McLeish. 1911. 60p. Tables.
Advance chapter of report No. 143.
Out of print. *Cat. No. M32-114*

115.—**The production of iron and steel in Canada during the calendar year 1910,** by John McLeish. 1911. 38p. Tables.
Advance chapter of report No. 143.
Out of print. *Cat. No. M32-115*

116.—**The production of coal and coke in Canada during the calendar year 1910,** by John McLeish. 1911. 31p. Tables.
Advance chapter of report No. 143.
Out of print. *Cat. No. M32-116*

117.—**General summary of the mineral production of Canada during the calendar year 1910,** by John McLeish. 1911. 37p. Tables.
Part of report No. 143.
Out of print. *Cat. No. M32-117*

118.—**Mica: its occurrence, exploitation, and uses,** by H. S. de Schmid. Second edition. 1912. 411p. 38 pls., 67 figs., 22 maps.
Voir le rapport nº 264 pour l'édition française. See also report No. 701. See maps No. 119 to 140 inclusive.
Out of print. *Cat. No. M32-118*

Reports and maps—Rapports.—*Continued—Suite.*

119.—**Mica mines and occurrences in townships of East and West Portland, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-119*

120.—**Mica mines and occurrences in township of Derry, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-120*

121.—**Mica mines and occurrences in township of Villeneuve, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-121*

122.—**Mica mines and occurrences in townships of Bigelow and Wells, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-122*

123.—**Mica mines and occurrences in township of Templeton, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-123*

124.—**Mica mines and occurrences in township of Wakefield, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-124*

125.—**Mica mines and occurrences in township of Hull, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-125*

126.—**Mica mines and occurrences in townships of Aylwin and Hincks, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-126*

127.—**Mica mines and occurrences in township of Blake, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-127*

128.—**Mica mines and occurrences in townships of Wright and Northfield, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-128*

129.—**Mica mines and occurrences in township of Alleyn, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-129*

130.—**Mica mines and occurrences in township of Cawood, Quebec; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-130*

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Reports and maps—Rapports.—*Continued—Suite.*

131.—**Mica mines and occurrences in township of Loughborough, Ontario; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-131*

132.—**Mica mines and occurrences in township of Bedford, Ontario; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-132*

133.—**Mica mines and occurrences in townships of North and South Burgess, Ontario; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-133*

134.—**Mica mines and occurrences in townships of Oso and Sherbrooke South, Ontario; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-134*

135.—**Mica mines and occurrences in township of North Crosby, Ontario; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-135*

136.—**Mica mines and occurrences in township of South Crosby, Ontario; map,** by H. S. de Schmid. 1912. 2m : 1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-136*

137.—**Mica mines and occurrences in township of Bastard, Ontario; map,** by H. S. de Schmid. 1912. 2m:1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-137*

138.—**Map showing location of principal mines and occurrences in the Quebec mica area,** by Hugh S. de Schmid. 1911. 3.95m:1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-138*

139.—**Map showing location of principal mines and occurrences in the Ontario mica area,** by Hugh S. de Schmid. 1911. 3.95m:1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-139*

140.—**Map showing distribution of the principal mica occurrences in the Dominion of Canada,** by Hugh S. de Schmid. 1911. 100m:1".
Accompanying report No. 118.
Out of print. *Cat. No. M32-140*

141.—**Torbrook iron-bearing district** (southwest part), Annapolis county, N.S.; **topographic map,** by Howells Fréchette. 1912. 400':1".
Accompanying report No. 110.
25¢. *Cat. No. M32-141*

Reports and maps—Rapports.—*Continued—Suite.*

142.—**Summary report of the Mines Branch of the Department of Mines for the calendar year 1911.** 1912. 208p. 16 pls., 6 figs., 1 map. (Sess. paper No. 26a-1912.)

Contents.—*Director's general report, by Eugene Haanel.—Reports: Chemical laboratories, by F. G. Wait; Division of Mineral Resources and Statistics, by John McLeish; Assay Office, by G. Middleton; Fuels and Fuel Testing Division, by B. F. Haanel; Investigation of peat bogs, 1911, by A. Anrep; Chemical laboratory of Fuel Testing Station, by E. Stansfield; Ore Dressing and Metallurgical Laboratory, by G. C. Mackenzie.—Preliminary reports on field work: Building and ornamental stones of Maritime Provinces, by W. A. Parks; Sudbury nickel field, by A. P. Coleman; Copper and pyrites, by A. W. G. Wilson; Iron ore deposits along Central Ontario railway, by E. Lindeman; Calabogie iron-bearing district, by E. Lindeman; Magnetometric survey of a nickeliferous pyrrhotite deposit in Sudbury district, by E. Lindeman; Canadian market for various mineral products in a crude or partially prepared state, by Howells Fréchette; Gypsum and salt industries of central and western Canada, by L. H. Cole; Phosphate and feldspar deposits of Ontario and Quebec, by Hugh S. de Schmid; Determination of moisture in fuels, by E. Stansfield; Tests on pyrene, by E. Stansfield; An electrically heated tube furnace suitable for making ultimate organic analyses, by E. Stansfield; Explosion of explosives at Sand Point, Ont., Belœil and Rigaud, Que., by J. G. S. Hudson.—Appendices: Preliminary report on mineral production, 1911 (See report No. 150); On Explosives.*

Voir le rapport nº 142A pour l'édition française. See map No. 166.

Out of print. **Cat. No. M32-142**

142A.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'année 1911.** 1913. 200p. 16 planches, 6 figures, 1 carte. (Doc. parl. nº 26a-1912.)

Sommaire.—*Rapport général du directeur, par Eugene Haanel.—Rapports: Laboratoire de chimie, par F. G. Wait; Section des statistiques et des ressources minérales, par John McLeish; Laboratoire fédéral de Vancouver, C.-B., par G. Middleton; Section des combustibles et de l'essai des combustibles, par B. F. Haanel; Recherche sur les tourbières, par A. Anrep; Laboratoire de chimie, par Edgar Stansfield; Laboratoire métallurgique, par Geo. C. Mackenzie.—Rapports préliminaires des travaux sur le terrain: Pierre à bâtir des provinces maritimes, par W. A. Parks; L'industrie du nickel avec indications spéciales sur la région de Sudbury, par A. P. Coleman; Cuivre et pyrites, par A. W. G. Wilson; Les dépôts de fer le long du "Central Ontario Railway"; Gisements de fer du district de Calabogie; Relevé magnétométrique de la pyrrhotite nickelifère du district de Sudbury, par E. Lindeman; Étude des débouchés canadiens pour les produits minéraux bruts et en partie manufacturés, par Howells Fréchette; Les industries du gypse et du sel dans le Canada central et méridional, par L. H. S. Cole; Le dépôt de phosphate et de feldspath de l'Ontario et de la province de Québec, par Hugh S. de Schmid; Détermination de l'humidité des combustibles, par Edgar Stansfield; Description d'un four électrique pour faire les analyses organiques élémentaires, par Edgar Stansfield; Rapport sur l'explosion d'un explosif à Sand Point, Ont., à Belœil, Qué., à Rigaud, Qué., par J. G. S. Hudson.—Appendices: Rapport préliminaire sur la production minérale du Canada, 1911, par John McLeish; Explosifs.*

See report No. 142 for English edition.

Édition épuisée. **Nº de cat. M32-142F**

143.—**Annual report on the mineral production of Canada during the calendar year 1910,** by John McLeish. 1912. 328p. Tables.

See separates No. 114, 115, 116, and 117.

Out of print. **Cat. No. M32-143**

144.—Not published.

Reports and maps—Rapports.—*Continued—Suite.*

145.—**Magnetic iron sands of Natashkwan,** Saguenay county, Quebec, by Geo. C. Mackenzie. 1912. 49p. 22 pls., 9 figs., 3 maps.
Voir le rapport nº 149 pour l'édition française. See maps No. 146, 147, and 148.
Out of print. *Cat. No. M32-145*

146.—**Distribution of iron ore sands deposits on the north shore of the river and gulf of St. Lawrence, Canada; map,** by Geo. C. Mackenzie. 1912. 100m:1".
Accompanying report No. 145.
Out of print. *Cat. No. M32-146*

147.—**Magnetic iron sand deposits in relation to Natashkwan Harbour and Great Natashkwan river, Que.; index map,** by Geo. C. Mackenzie. 1912. ½m:1".
Accompanying report No. 145.
Out of print. *Cat. No. M32-147*

148.—**Natashkwan magnetic iron sand deposits,** Saguenay county, Que.; **map,** by Geo. C. Mackenzie. 1912. 1,000':1".
Accompanying report No. 145.
Out of print. *Cat. No. M32-148*

149.—**Sables ferrugineux magnétiques de Natashkwan,** comté de Saguenay, province de Québec, par Geo. C. Mackenzie. 1913. 49p. 22 gravures, 9 figures, tableaux, 3 cartes.
See report No. 145 for English edition.
Édition épuisée. *Nº de cat. M32-149F*

150.—**Preliminary report on the mineral production of Canada during the calendar year 1911,** by John McLeish. 1912. 24p. Tables.
Part of report No. 142.
Out of print. *Cat. No. M32-150*

151.—**Investigation of the peat bogs and peat industry of Canada, 1910-11,** by A. Anrep. 1912. 61p. 19 pls., 1 fig., 12 maps. (Bulletin No. 8.)
Voir le nº 180 pour l'édition française. See maps No. 113, 152, 153, 157 to 165 inclusive.
Out of print. *Cat. No. M32-151*

152.—**Location of peat bogs investigated in Ontario; index map,** by A. Anrep. 1912. 35m:1".
Accompanying report No. 151. See map No. 447.
Out of print. *Cat. No. M32-152*

153.—**Location of peat bogs,** as investigated in Manitoba; **index map,** by A. Anrep. 1912. 12m:1".
Accompanying report No. 151.
Out of print. *Cat. No. M32-153*

154.—**Report on the utilization of peat fuel for the production of power,** being a record of experiments conducted at the Fuel Testing Station, Ottawa, 1910-1911, by B. F. Haanel. 1912. 145p. 10 pls., 17 figs., 17 charts, tables.
Voir le nº 155 pour l'édition française.
Out of print. *Cat. No. M32-154*

Reports and maps—Rapports.—*Continued—Suite.*

155.—**Rapport sur l'utilisation de la tourbe pour la production de la force motrice;** résultats des expériences faites à la Station d'essai des combustibles à Ottawa, 1910-1911, par B. F. Haanel. 1913. 141p. 10 planches, 17 figures, 17 diagrammes, tableaux.
See report No. 154 for English edition.
Édition épuisée. *N° de cat. M32-155F*

156.—**Rapport sur les minerais de tungstène du Canada,** par T. L. Walker. 1913. 56p. 10 planches, 6 figures, tableaux.
See report No. 25 for English edition.
Édition épuisée. *N° de cat. M32-156F*

157.—**Lac-du-Bonnet peat bog, Manitoba; map,** by A. Anrep. 1912. 800':1".
Accompanying report No. 151.
Out of print. *Cat. No. M32-157*

158.—**Transmission peat bog, Manitoba; map,** by A. Anrep. 1912. 1500':1".
Accompanying report No. 151.
Out of print. *Cat. No. M32-158*

159.—**Corduroy peat bog, Manitoba; map,** by A. Anrep. 1912. 780' : 1".
Accompanying report No. 151.
Out of print. *Cat. No. M32-159*

160.—**Boggy creek peat bog, Manitoba; map,** by A. Anrep. 1912. 1300' : 1".
Accompanying report No. 151.
Out of print. *Cat. No. M32-160*

161.—**Rice Lake peat bog, Manitoba; map,** by A. Anrep. 1912. 820' : 1".
Accompanying report No. 151.
Out of print. *Cat. No. M32-161*

162.—**Mud Lake peat bog, Manitoba; map,** by A. Anrep. 1912. 750' : 1".
Accompanying report No. 151.
Out of print. *Cat. No. M32-162*

163.—**Litter peat bog, Manitoba; map,** by A. Anrep. 1912. 800' : 1".
Accompanying report No. 151.
Out of print. *Cat. No. M32-163*

164.—**Julius peat litter bog, Manitoba; map,** by A. Anrep. 1912. 2350' : 1".
Accompanying report No. 151.
Out of print. *Cat. No. M32-164*

165.—**Fort Francis peat bog, Ontario; map,** by A. Anrep. 1912. 1900' : 1".
Accompanying report No. 151.
Out of print. *Cat. No. M32-165*

166.—**McKim township,** Sudbury district, Ont.; **magnetometric map** of No. 3 mine, lot 7, concession V and VI, by E. Lindeman. 1912. 200' : 1".
Accompanying report No. 142.
Out of print. *Cat. No. M32-166*

Reports and maps—Rapports.—*Continued—Suite.*

167.—**Pyrites in Canada: its occurrence, exploitation, dressing, and uses,** by Alfred W. G. Wilson. 1912. 202p. 27 pls., 29 figs., tables, 1 map.
Voir le rapport nº 169 pour l'édition française. See map No. 168.
Out of print. ***Cat. No. M32-167***

168.—**Pyrites mines and prospects in eastern Canada** and their relation to the United States market; **general map,** by A. W. G. Wilson. 1912. 125m : 1".
Accompanying report No. 167.
Out of print. ***Cat. No. M32-168***

169.—**Pyrites au Canada: gisements, exploitation, préparation, usages,** par Alfred W. G. Wilson. 1914. 204p. 27 planches, 29 figures, tableaux, 1 carte.
See report No. 167 for English edition.
Édition épuisée. ***Nº de cat. M32-169F***

170.—**The nickel industry;** with special reference to the Sudbury region, Ontario, by A. P. Coleman. 1913. 206p. 63 pls., 14 figs., 8 maps.
Voir le rapport nº 179 pour l'édition française. See maps No. 171, 172, 173, 174, 175, 176, 177, and 178.
Out of print. ***Cat. No. M32-170***

171.—**Sudbury nickel region, Ont.; geological map,** by A. P. Coleman. 1912. 1m : 1".
Accompanying report No. 170.
Out of print. ***Cat. No. M32-171***

172.—**Victoria mine; geological map,** by A. P. Coleman. 1912. 300' : 1".
Accompanying report No. 170.
Out of print. ***Cat. No. M32-172***

173.—**Crean Hill mine; geological map,** by A. P. Coleman. 1912. 225' : 1".
Accompanying report No. 170.
Out of print. ***Cat. No. M32-173***

174.—**Creighton mine; geological map,** by A. P. Coleman. 1912. 300' : 1".
Accompanying report No. 170.
Out of print. ***Cat. No. M32-174***

175.—**Contact of Norite and Laurentian in vicinity of Creighton mine; geological map,** by A. P. Coleman. 1913. 700' : 1".
Accompanying report No. 170.
Out of print. ***Cat. No. M32-175***

176.—**Copper Cliff offset; geological map,** by A. P. Coleman. 1913. 2800' : 1".
Accompanying report No. 170.
Out of print. ***Cat. No. M32-176***

177.—**No. 3 Mine (Frood mine),** Sudbury district; **geological map,** by A. P. Coleman. 1912. 550' : 1".
Accompanying report No. 170.
Out of print. ***Cat. No. M32-177***

Reports and maps—Rapports.—*Continued—Suite.*

178.—**Vicinity of Stobie and No. 3 mines; geological map,** by A. P. Coleman. 1912. 1400′ : 1″.

Accompanying report No. 170.

Out of print. *Cat. No. M32-178*

179.—**L'industrie du nickel particulièrement dans la région de Sudbury, Ontario,** par A. P. Coleman. 1915. 212p. 64 planches, 14 figures, 8 cartes.

See report No. 170 for English edition.

Édition épuisée. *N° de cat. M32-179F*

180.—**Recherches sur les tourbières et l'industrie de la tourbe au Canada, 1910-11,** par A. Anrep. 1914. 50p. 19 planches, 1 figure, 12 cartes. (Bulletin n° 8.)

See report No. 151 for English edition.

Édition épuisée. *N° de cat. M32-180F*

181.—**The production of cement, lime, clay products, stone, and other structural materials in Canada during the calendar year 1911,** by John McLeish. 1912. 55p. Tables.

Advance chapter of report No. 201.

Out of print. *Cat. No. M32-181*

182.—**The production of iron and steel in Canada during the calendar year 1911,** by John McLeish. 1912. 32p. Tables.

Advance chapter of report No. 201.

Out of print. *Cat. No. M32-182*

183.—**General summary of the mineral production of Canada during the calendar year 1911,** by John McLeish. 1912. 38p. Tables.

Part of report No. 201.

Out of print. *Cat. No. M32-183*

184.—**Magnetite occurrences along the Central Ontario Railway,** by E. Lindeman. 1913. 23p. 9 pls., 19 maps.

Voir le rapport n° 195 pour l'édition française. See maps No. 185 to 194, inclusive, and 204.

50¢. *Cat. No. M32-184*

185.—**Blairton iron mine,** Belmont township, Peterborough county, Ontario; **magnetometric survey map,** vertical intensity, by E. Lindeman. 1911. 200′ : 1″.

Accompanying reports No. 184 and 217, Vol. I.

25¢. *Cat. No. M32-185*

185A.—**Blairton iron mine,** Belmont township, Peterborough county, Ontario; **geological map,** by E. Lindeman. 1911. 200′ : 1″.

Accompanying reports No. 184 and 217, Vol. I.

25¢. *Cat. No. M32-185A*

186.—**Belmont iron mine,** Belmont township, Peterborough county, Ontario; **magnetometric survey map,** by E. Lindeman. 1911. 200′ : 1″.

Accompanying reports No. 184 and 217, Vol. I.

25¢. *Cat. No. M32-186*

Reports and maps—Rapports.—*Continued—Suite.*

186A.—**Belmont iron mine,** Belmont township, Peterborough county, Ontario; **geological map,** by E. Lindeman. 1911. 200′ : 1″.
Accompanying reports No. 184 and 217, Vol. I.
25¢. *Cat. No. M32-186A*

187.—**St. Charles mine,** Tudor township, Hastings county, Ontario; **magnetometric survey map,** vertical intensity, by E. Lindeman. 1911. 200′ : 1″.
Accompanying reports No. 184 and 217, Vol. II.
25¢. *Cat. No. M32-187*

187A.—**St. Charles mine,** Tudor township, Hastings county, Ontario; **geological map,** by E. Lindeman. 1911. 200′ : 1″.
Accompanying reports No. 184 and 217, Vol. II.
25¢. *Cat. No. M32-187A*

188.—**Baker mine,** Tudor township, Hastings county, Ontario; **magnetometric survey map,** vertical intensity, by E. Lindeman. 1911. 200′ : 1″.
Accompanying reports No. 184 and 217, Vol. II.
25¢. *Cat. No. M32-188*

188A.—**Baker mine,** Tudor township, Hastings county, Ontario; **geological map,** by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. II.
25¢. *Cat. No. M32-188A*

189.—**Ridge iron ore deposits,** Wollaston township, Hastings county, Ontario; **magnetometric survey map,** vertical intensity, by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. II.
25¢. *Cat. No. M32-189*

190.—**Coehill and Jenkins mines,** Wollaston township, Hastings county, Ontario; **magnetometric survey map,** vertical intensity, by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. I.
25¢. *Cat. No. M32-190*

190A.—**Coehill and Jenkins mines,** Wollaston township, Hastings county, Ontario; **geological map,** by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. I.
25¢. *Cat. No. M32-190A*

191.—**Bessemer iron ore deposits,** Mayo township, Hastings county, Ontario; **magnetometric survey map,** vertical intensity, by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. I.
25¢. *Cat. No. M32-191*

191A.—**Bessemer iron ore deposits,** Mayo township, Hastings county, Ontario; **geological map,** by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. I.
25¢. *Cat. No. M32-191A*

192.—**Rankin, Childs, and Stevens mines,** Mayo township, Hastings county, Ontario; **magnetometric survey map,** vertical intensity, by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. I.
25¢. *Cat. No. M32-192*

Reports and maps—Rapports.—*Continued—Suite.*

192A.—**Rankin, Childs, and Stevens mines,** Mayo township, Hastings county, Ontario; **geological map,** by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. I.
25¢. *Cat. No. M32-192A*

193.—**Kennedy property,** Carlow township, Hastings county, Ontario; **magnetometric survey map,** vertical intensity, by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. II.
25¢. *Cat. No. M32-193*

193A.—**Kennedy property,** Carlow township, Hastings county, Ontario; **geological map,** by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. II.
25¢. *Cat. No. M32-193A*

194.—**Bow Lake iron ore occurrences,** Faraday township, Hastings county, Ontario; **magnetometric survey map,** vertical intensity, by E. Lindeman. 1911. 200′:1″.
Accompanying reports No. 184 and 217, Vol. II.
25¢. *Cat. No. M32-194*

195.—**Gisements de magnétite le long de la ligne du Central Ontario Railway,** par E. Lindeman. 1914. 24p. 9 planches, tableaux, 19 cartes.
See report No. 184 for English edition.
Édition épuisée. *N° de cat. M32-195F*

196.—**Enquête sur les tourbières et l'industrie de la tourbe au Canada,** durant la saison 1909-10, par A. Anrep. 1913. 48p. 17 planches, 6 figures, 6 cartes. (Bulletin n° 4.)
See report No. 71 for English edition.
Édition épuisée. *N° de cat. M32-196F*

197.—**Rapport sur les minerais de molybdène du Canada,** par T. L. Walker. 1912. 71p. 14 planches, 10 figures.
See report No. 93 for English edition.
Édition épuisée. *N° de cat. M32-197F*

198.—**Tourbe et lignite: leur fabrication et leurs emplois en Europe,** par E. Nystrom. 1913. 265p. 34 planches, 228 figures.
See report No. 19 for English edition.
Édition épuisée. *N° de cat. M32-198F*

199.—**The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada during the calendar year 1911,** by Cosmo T. Cartwright. 1913. 85p. Tables.
Advance chapter of report No. 201.
Out of print. *Cat. No. M32-199*

200.—**The production of coal and coke in Canada during the calendar year 1911,** by John McLeish. 1912. 35p. Tables.
Advance chapter of report No. 201.
Out of print. *Cat. No. M32-200*

201.—**Annual report on the mineral production of Canada during the calendar year 1911,** by John McLeish. 1913. 316p. Tables.
Voir le rapport n° 265 pour l'édition française. See separates No. 181, 182, 183, 199, and 200.
Out of print. *Cat. No. M32-201*

Reports and maps—Rapports.—*Continued—Suite.*

202.—**Graphite: propriétés, gisements, traitements et usages,** par Fritz Cirkel. 1912. 263p. 20 planches, 52 figures, tableaux, 10 cartes.
See report No. 18 for English edition.
Édition épuisée. *N° de cat. M32-202F*

203.—**Report on the building and ornamental stones of Canada; Vol. II: Maritime Provinces,** by Wm. A. Parks. 1914. 264p. 45 pls., 9 figs.
Voir le rapport n° 280 pour l'édition française. See also reports No. 100, 279, 388, and 452.
50¢. *Cat. No. M32-203*

204.—**Magnetite occurrences along the Central Ontario Railway; index map,** by E. Lindeman. 1911. 4m:1".
Accompanying report No. 184.
25¢. *Cat. No. M32-204*

205.—**Moose Mountain iron-bearing district,** deposits No. 1 to 7 incl., Sudbury district, Ontario; **magnetometric map,** by E. Lindeman. 1912. 200':1".
Accompanying report No. 217, Vol. I, and report No. 303.
25¢. *Cat. No. M32-205*

205A.—**Moose Mountain iron-bearing district,** deposits No. 1 to 7 incl., Sudbury district, Ontario; **geological map,** by E. Lindeman. 1912. 800':1".
Accompanying report No. 303.
25¢. *Cat. No. M32-205A*

206.—**Moose Mountain iron-bearing district,** Northern portion deposit No. 2, Sudbury district, Ontario; **magnetometric survey map,** by E. Lindeman. 1912. 200':1".
Accompanying report No. 217, Vol. I, and report No. 303.
25¢. *Cat. No. M32-206*

207.—**Moose Mountain iron-bearing district,** deposits No. 8, 9, and 9a, Sudbury district, Ontario; **magnetometric survey map,** by E. Lindeman. 1912. 200':1".
Accompanying report No. 217, Vol. I, and report No. 303.
25¢. *Cat. No. M32-207*

208.—**Moose Mountain iron-bearing district,** deposit No. 10, Sudbury district, Ontario; **magnetometric survey map,** by E. Lindeman. 1912. 200' : 1".
Accompanying report No. 217, Vol. I, and report No. 303.
25¢. *Cat. No. M32-208*

208A.—**Moose Mountain iron-bearing district,** Eastern portion deposit No. 11, Sudbury district, Ontario; **magnetometric survey map,** by E. Lindeman. 1912. 200' : 1".
Accompanying report No. 217, Vol. I, and report No. 303.
25¢. *Cat. No. M32-208A*

208B.—**Moose Mountain iron-bearing district,** Western portion deposit No. 11, Sudbury district, Ontario; **magnetometric survey map,** by E. Lindeman. 1912. 200' : 1".
Accompanying report No. 217, Vol. I, and report No. 303.
25¢. *Cat. No. M32-208B*

Reports and maps—Rapports.—*Continued—Suite.*

208C.—**Moose Mountain iron-bearing district,** Sudbury district, Ontario; **general geological map,** by E. Lindeman. 1912. 800′ : 1″.

Accompanying report No. 217, Vol. I, and report No. 303.

25¢. *Cat. No. M32-208C*

209.—**The copper smelting industries of Canada,** by Alfred W. G. Wilson. 1913. 184p. 43 pls., 39 figs., 4 maps.

Voir le rapport nº 214 pour l'édition française. See maps No. 210, 211, 212, and 213.

Out of print. *Cat. No. M32-209*

210.—**Location of copper smelters in Canada; map,** by Alfred W. G. Wilson. 1913. 200m : 1″.

Accompanying report No. 209.

Out of print. *Cat. No. M32-210*

211.—**Relative position of copper smelters and mines in southern British Columbia; map,** by Alfred W. G. Wilson. 1913. 35m : 1″.

Accompanying report No. 209.

Out of print. *Cat. No. M32-211*

212.—**The Eastern Townships of Quebec as a possible smelting centre; map,** by Alfred W. G. Wilson. 1913. 35m : 1″.

Accompanying report No. 209.

Out of print. *Cat. No. M32-212*

213.—**Eastern Cape Breton as a possible smelting centre; map,** by Alfred W. G. Wilson. 1913. 35m : 1″.

Accompanying report No. 209.

Out of print. *Cat. No. M32-213*

214.—**Industries métallurgiques du cuivre au Canada,** par Alfred W. G. Wilson. 1917. 193p. 43 planches, 39 figures, 42 tableaux, 4 cartes.

See report No. 209 for English edition.

Édition épuisée. *Nº de cat. M32-214F*

215.—**Province of Alberta: properties from which samples of coal were taken for gas producer tests,** Fuel Testing Division, Ottawa; **index map,** by J. G. S. Hudson. 1913. 35m : 1″.

Accompanying report No. 224.

25¢. *Cat. No. M32-215*

216.—**Preliminary report on the mineral production of Canada during the calendar year 1912,** by John McLeish. 1913. 21p. Tables.

Part of report No. 224.

Out of print. *Cat. No. M32-216*

217.—**Iron ore occurrences in Canada,** compiled by E. Lindeman and L. L. Bolton, with introductory by A. H. A. Robinson. 1917. 2 volumes.

Vol. I.—**Description of principal iron ore mines.** 71p. 23 pls., 1 map in pocket and 22 maps enclosed in special case.

See maps No. 106, 107, 185, 185A, 186, 186A, 190, 190A, 191, 191A, 192, 192A, 205, 206, 207, 208, 208A, 208B, 208C, 340, 340A, 443, 445.

25¢. *Cat. No. M32-217/1*

Reports and maps—Rapports.—*Continued—Suite.*

Vol. II.—**Description of iron ore occurrences.** 222p. 33 maps enclosed in special case.

See maps No. 187, 187A, 188, 188A, 189, 193, 193A, 194, 249 to 253, 261, 311, 312, 313, 341, 341A, 342, 342A, 343, 343A, 405, 409, 410, 416, 438, 439, 441, 442, 444, 446.

25¢. *Cat. No. M32-217/2*

218.—Not published.

219.—**Les gisements de fer d'Austin Brook au Nouveau-Brunswick,** par Einar Lindeman. 1914. 14p. 3 planches, 5 figures, 2 cartes.

See report No. 105 for English edition.

Édition épuisée. *N° de cat. M32-219F*

220.—**Mining districts, Yukon; index map,** by T. A. MacLean. 1914. 35m : 1".

Accompanying reports No. 222 and 224.

25¢. *Cat. No. M32-220*

221.—**Dawson mining district, Yukon; index map,** by T. A. MacLean. 1914. 2m : 1".

Accompanying reports No. 222 and 224.

25¢. *Cat. No. M32-221*

222.—**Lode mining in Yukon:** an investigation of quartz deposits in the Klondike division, by T. A. MacLean. 1914. 215p. 40 pls., 35 figs., tables, 6 maps.

Voir le rapport n° 223 pour l'édition française. See maps No. 220, 221, 234 to 237.

Out of print. *Cat. No. M32-222*

223.—**L'exploitation filonienne au Yukon;** une investigation des gisements de quartz dans la division Klondike, par T. A. MacLean. 1915. 197p. 40 planches, 35 figures, tableaux, 6 cartes.

See report No. 222 for English edition.

Édition épuisée. *N° de cat. M32-223F*

224.—**Summary report of the Mines Branch of the Department of Mines for the calendar year 1912.** 1913. 174p. 16 pls., 1 fig., tables, 3 maps. (Sess. Paper No. 26a-1913.)

Contents.—*Director's general report, by Eugene Haanel.*—**Reports:** *Chemical Laboratory, by F. G. Wait; Division of Mineral Resources and Statistics, by John McLeish; Assay Office, by G. Middleton; Fuel and Fuel Testing Division: (1) Test of lignite coal from Consumer's Coal Co., Moosejaw, Sask., by B. F. Haanel; (2) Sampling of lignitic and semi-bituminous coals of Alberta for gas producer tests, by J. G. S. Hudson; (3) Chemical laboratory of Fuel Testing Station, by E. Stansfield; (4) Investigation of peat bogs, by A. Anrep; (5) Petroleum and natural gas resources of Canada, by F. G. Clapp and L. G. Huntley; Ore Dressing and Metallurgical Division: (1) Investigation of magnetic iron sands at Natashkwan, Que.; (2) Equipment of new Ore Dressing Laboratories; and, (3) Report on Parker-Lanius process of extracting gold from free-milling and refractory ores, by G. C. Mackenzie.*—**Preliminary reports on field work:** *Building and ornamental stones of Quebec, by W. A. Parks; Pyrites and copper, by A. W. G. Wilson; Mineral deposits in vicinity of St. Mary Bay, Nova Scotia, by A. W. G. Wilson; Moose Mountain iron-bearing district, Ont., by E. Lindeman; Canadian market for various mineral products in a crude or partially prepared state, by Howells Fréchette; Continued examination of the phosphate and feldspar deposits of Ontario and Quebec, by H. S. de Schmid; Gypsum and salt industries*

Reports and maps—Rapports.—*Continued—Suite.*

*of Canada, by L. H. Cole; Metal cobalt and its alloys, by H. T. Kalmus; Recent developments in electrothermic production of iron and steel, 1911-12, by H. T. Kalmus; Quartz deposits in Klondike division, by T. A. MacLean.—**Appendices:** Mineral production of Canada, 1912 (See report No. 216); Legislative administration of mineral lands in Canada.*

Voir le rapport nº 224F pour l'édition française. See maps No. 215, 220 and 221.

25¢. *Cat. No. M32-224*

224F.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'année civile 1912.** 1914. 179p. 16 planches, 1 figure, tableaux, 3 cartes. (Doc. parl. nº 26a-1913.)

Sommaire.—*Rapport du directeur général, par Eugene Haanel.—**Rapports:** Laboratoire de chimie, par F. G. Wait; Division des Ressources minérales et des Statistiques, par J. McLeish; Essayerie du Canada à Vancouver, par G. Middleton; Division d'essai du combustible: (1) Essai de lignite de la "Consumers Coal Company" Moosejaw, Sask., par B. F. Haanel; (2) Échantillon de houilles ligniteuses et semi-bitumineuses de l'Alberta, pour des épreuves de gazogènes, par J. G. S. Hudson; (3) Laboratoire chimique de la station d'essai du combustible par E. Stansfield; (4) Recherches sur les tourbières, par A. Anrep; (5) Le pétrole et les ressources du gaz naturel du Canada, par F. G. Clapp et L. G. Huntley; Préparation des minerais et division métallurgique: (1) Sables de fer magnétique à Natashkwan, Québec; (2) Les nouveaux laboratoires de métallurgie et de préparation des minerais; et, (3) Rapport sur le procédé de MM. Parker et Lanius pour l'extraction de l'or des minerais faciles à traiter et des minerais réfractaires, par G. C. Mackenzie.—**Rapports préliminaires des travaux sur le terrain:** Pierres de construction et d'ornement de la province de Québec, par W. A. Parks; Pyrites et cuivre; et, Gisements de minerais dans le voisinage de la Baie Ste-Marie, N.-É., par A. W. G. Wilson; District ferrifère de la montagne l'Orignal (Moose Mountain), Ont., par E. Lindeman; Recherches sur le marché existant au Canada pour divers produits minéraux à l'état brut, ou partiellement préparés, par Howells Fréchette; Examen des gisements de phosphate et de feldspath dans l'Ontario et le Québec, par H. S. de Schmid; Industries du gypse et du sel au Canada, par L. H. Cole; Cobalt métallique et ses alliages; et, Progrès récents de la production électrothermique du fer et de l'acier, 1911-12, par H. T. Kalmus; Dépôts de quartz dans la division du Klondike. par T. A. MacLean.—**Appendices:** Rapport préliminaire au sujet de la production minérale au Canada, en 1912, par John McLeish; Législation administrative des terrains miniers au Canada.*

See report No. 224 for English edition.

25¢. *Nº de cat. M32-224F*

225.—Not published.

226.—**Rapport sur les dépôts de fer chromé des Cantons de l'Est de la province de Québec,** par Fritz Cirkel. 1912. 145p. 9 planches, 15 figures, 1 carte.

See report No. 29 for English edition.

Édition épuisée. *Nº de cat. M32-226F*

227.—**Sections of the Sydney coal fields, Cape Breton,** by Joseph G. S. Hudson. 1913. 6p. 15 pls., tables, 1 map.

See map No. 228.

Out of print. *Cat. No. M32-227*

228.—**Sydney coal fields,** Cape Breton, N.S.; **index map,** by J. G. S. Hudson. 1913. $1\frac{3}{4}$m : 1".

Accompanying report No. 227.

Out of print. *Cat. No. M32-228*

Reports and maps—Rapports.—*Continued—Suite.*

229.—**Summary report on the petroleum and natural gas resources** of Canada, by F. G. Clapp and L. G. Huntley. 1913. 14p.
Reprint from report No. 224.
Out of print. *Cat. No. M32-229*

230.—**Economic minerals and mining industries of Canada.** 1913. 77p. 19 pls., 1 map.
Voir le rapport nº 231 pour l'édition française. See also reports No. 611 and 738, and, map No. 232.
Out of print. *Cat. No. M32-230*

231.—**Minéraux industriels et industries minières du Canada.** 1913. 85p. 19 planches, 1 carte.
See report No. 230 for English edition.
Édition épuisée. *Nº de cat. M32-231F*

232.—**Mineral map of Canada.** 1913. 100m : 1".
Accompanying reports No. 230 and 322.
Out of print. *Cat. No. M32-232*

233.—**Rapport sur les gisements de gypse des Provinces Maritimes,** par Williams F. Jennison. 1913. 181p. 36 planches, 17 figures, 3 cartes.
See report No. 84 for English edition.
Édition épuisée. *Nº de cat. M32-233F*

234.—**Portion of Whitehorse copper belt; index map,** by T. A. MacLean. 1914. 8000' : 1".
Accompanying report No. 222.
Out of print. *Cat. No. M32-234*

235.—**Portion of Windy Arm mining district; index map,** by T. A. MacLean. 1914. 2m : 1".
Accompanying report No. 222.
Out of print. *Cat. No. M32-235*

236.—**Vicinity of Wheaton river; map,** by T. A. MacLean. 1914. 2m : 1".
Accompanying report No. 222.
Out of print. *Cat. No. M32-236*

237.—**Dublin gulch, mining property; geological sketch map,** by T. A. McLean. 1914. 2400' : 1".
Accompanying report No. 222.
Out of print. *Cat. No. M32-237*

238.—**General summary of the mineral production of Canada during the calendar year 1912,** by John McLeish. 1913. 46p. Tables.
Part of report No. 262.
Out of print. *Cat. No. M32-238*

239.—**Index map of Canada showing gypsum occurrences,** by L. H. Cole. 1913. 600m : 1".
Accompanying report No. 245.
Out of print. *Cat. No. M32-239*

240.—**Map showing lower carboniferous formation in which gypsum occurs in the Maritime Provinces,** by L. H. Cole. 1913. 100m : 1".
Accompanying report No. 245.
Out of print. *Cat. No. M32-240*

Reports and maps—Rapports.—*Continued—Suite.*

241.—**Map showing relation of gypsum deposits in Northern Ontario to railway lines,** by L. H. Cole. 1913. 100m : 1".

Accompanying report No. 245.

Out of print. *Cat. No. M32-241*

242.—**Grand River gypsum deposits, Ontario; index map,** by L. H. Cole. 1913. 4m : 1".

Accompanying report No. 245.

Out of print. *Cat. No. M32-242*

243.—**Plan of Manitoba Gypsum Company's properties,** by L. H. Cole. 1913. 6700' : 1".

Accompanying report No. 245.

Out of print. *Cat. No. M32-243*

244.—**Map showing relation of gypsum deposits in British Columbia to railway lines and market,** by L. H. Cole. 1914. 35m : 1".

Accompanying report No. 245.

Out of print. *Cat. No. M32-244*

245.—**Gypsum in Canada:** its occurrence, exploitation, and technology, by L. H. Cole. 1913. 256p. 30 pls., 27 figs., tables, 6 maps.

Appendices.—*Gypsum operators in Canada.—Bibliography.—Gypsum deposits of the Maritime Provinces, by W. F. Jennison. (Reprinted from report No. 84.)*

Voir le rapport nº 246 pour l'édition française. See maps No. 239, 240, 241, 242, 243, and 244.

Out of print. *Cat. No. M32-245*

246.—**Le gypse du Canada:** ses gisements, son exploitation, et sa technologie, par L. H. Cole. 1916. 252p. 30 planches, 27 figures, tableaux, 6 cartes.

Appendices.—*Liste des exploitants de gypse.—Bibliographie.—Gisements de gypse des Provinces Maritimes, par W. F. Jennison. (Réimprimé du rapport nº 233.)*

See report No. 245 for English edition.

Édition épuisée. *Nº de cat. M32-246F*

247.—**The production of iron and steel in Canada during the calendar year 1912,** by John McLeish. 1913. 39p. Tables.

Voir le rapport nº 287 pour l'édition française. Advance chapter of report No. 262.

Out of print. *Cat. No. M32-247*

248.—Not published.

249.—**Caldwell and Campbell mines,** Calabogie district, Renfrew county, Ontario; **magnetometric survey map,** by E. Lindeman. 1911. 200' : 1".

Accompanying reports No. 217, Vol. II and 254.

25¢. *Cat. No. M32-249*

250.—**Black Bay or Williams mine,** Calabogie district, Renfrew county, Ontario; **magnetometric survey map,** by E. Lindeman. 1911. 200' : 1".

Accompanying reports No. 217, Vol. II and 254.

25¢. *Cat. No. M32-250*

Reports and maps—Rapports.—*Continued—Suite.*

251.—**Bluff Point iron mine,** Calabogie district, Renfrew county, Ontario; **magnetometric survey map,** by E. Lindeman. 1911. 200′ : 1″.

Accompanying reports No. 217, Vol. II and 254.

25¢. *Cat. No. M32-251*

252.—**Culhane mine,** Calabogie district, Renfrew county, Ontario; **magnetometric survey map,** by E. Lindeman. 1911. 200′ : 1″.

Accompanying reports No. 254, and 217, Vol. II.

25¢. *Cat. No. M32-252*

253.—**Martel or Wilson iron mine,** Calabogie district, Renfrew county, Ontario; **magnetometric survey map,** by E. Lindeman. 1911. 200′ : 1″.

Accompanying reports No. 254, and 217, Vol. II.

25¢. *Cat. No. M32-253*

254.—**Magnetite occurrences near Calabogie,** Renfrew county, Ontario, by E. Lindeman. 1914. 16p. 1 fig., 5 maps.

Voir le rapport nº 255 pour l'édition française. See maps No. 249, 250, 251, 252, and 253.

Out of print. *Cat. No. M32-254*

255.—**Les gisements de magnétite près de Calabogie,** comté de Renfrew, Ontario, par E. Lindeman. 1917. 20p. 1 figure, 5 cartes.

See report No. 254 for English edition.

15¢. *Nº de cat. M32-255F*

256.—**The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada during the calendar year 1912,** by C. T. Cartwright. 1913. 86p. Tables.

Advance chapter of report No. 262. Voir le rapport nº 290 pour l'édition française.

Out of print. *Cat. No. M32-256*

257.—**The production of cement, lime, clay products, stone, and other structural materials in Canada during the calendar year 1912,** by John McLeish. 1913. 64p. Tables.

Advance chapter of report No. 262. Voir le rapport nº 289 pour l'édition française.

Out of print. *Cat. No. M32-257*

258.—**The production of coal and coke in Canada during the calendar year 1912,** by John McLeish. 1913. 42p. Tables.

Advance chapter of report No. 262. Voir le rapport nº 288 pour l'édition française.

Out of print. *Cat. No. M32-258*

259.—**Preparation of metallic cobalt by reduction of the oxide,** by H. T. Kalmus, and others. 1913. 36p. 8 pls., 4 figs., tables. (Researches on cobalt and cobalt alloys conducted at Queen's University, Kingston, Ontario, for the Mines Branch of the Department of Mines, Part I.)

Voir le rapport nº 260 pour l'édition française. See also reports No. 309, 334, 411, and 413.

15¢. *Cat. No. M32-259*

Reports and maps—Rapports.—*Continued—Suite.*

260.—**Préparation du cobalt métallique par la réduction de l'oxyde,** par H. T. Kalmus et autres. 1916. 36p. 8 planches, 4 figures. (Recherches sur le cobalt et ses alliages, faites à l'Université Queens, de Kingston, Ontario, pour la Division des mines du Ministère des mines, partie 1.)
See report No. 259 for English edition. Voir aussi les rapports nº 310, 335, 412, 414.
Édition épuisée. *Nº de cat. M32-260F*

261.—**Northeast Arm iron range,** Lake Timagami, Nipissing district, Ontario; **magnetometric survey map,** by E. Nystrom. 1903. 200′ : 1″.
Accompanying report No. 217, Vol. II.
25¢. *Cat. No. M32-261*

262.—**Annual report on the mineral production of Canada during the calendar year 1912,** by John McLeish. 1914. 339p. Tables.
See separates No. 238, 247, 256, 257, 258 and 287.
Out of print. *Cat. No. M32-262*

263.—**Progrès récents dans la construction des fours électriques pour la production de la fonte, de l'acier, et du zinc,** par Eugene Haanel. 1914. 86p. 1 planche, 17 figures, tableaux. (Bulletin nº 3.)
See report No. 68 for English edition.
Édition épuisée. *Nº de cat. M32-263F*

264.—**Mica: gisements, exploitation et emplois,** par Hugh S. de Schmid. Deuxième édition. 1914. 430p. 38 planches, 67 figures, 22 cartes.
See report No. 118 for English edition.
Édition épuisée. *Nº de cat. M32-264F*

265.—**Rapport annuel sur la production minérale du Canada durant l'année civile 1911,** par J. McLeish. 1914. 316p. Tableaux.
See report No. 201 for English edition.
Édition épuisée. *Nº de cat. M32-265F*

266.—**Investigation of the peat bogs and peat industry of Canada, 1911-12,** by A. Anrep. 1914. 47p. 29 pls., 6 figs., tables, 11 maps. (Bulletin No. 9.)
Voir le rapport nº 267 pour l'édition française. See maps No. 268 to 278 inclusive.
25¢. *Cat. No. M32-266*

267.—**Recherches sur les tourbières et l'industrie de la tourbe au Canada, 1911-1912,** par A. Anrep. 1917. 47p. 29 planches, 6 figures, tableaux, 11 cartes.
See report No. 266 for English edition.
Édition épuisée. *Nº de cat. M32-267F*

268.—**Peat bogs investigated in Quebec; index map,** by A. Anrep. 1914. 35m : 1″.
Accompanying report No. 266. See also map No. 484.
25¢. *Cat. No. M32-268*

269.—**Large Tea Field peat bog, Quebec; map,** by A. Anrep. 1914. 2750′ : 1″.
Accompanying report No. 266.
25¢. *Cat. No. M32-269*

Reports and maps—Rapports.—*Continued—Suite.*

270.—**Small Tea Field peat bog, Quebec; map,** by A. Anrep. 1914. 2750':1".

Accompanying report No. 266.

25¢. *Cat. No. M32-270*

271.—**Lanoraie peat bog, Quebec; map,** by A. Anrep. 1914. 3000' : 1".

Accompanying report No. 266.

25¢. *Cat. No. M32-271*

272.—**St. Hyacinthe peat bog, Quebec; map,** by A. Anrep. 1914. 2500' : 1".

Accompanying report No. 266.

25¢. *Cat. No. M32-272*

273.—**Rivière du Loup peat bog, Quebec; map,** by A. Anrep. 1914. 2800' : 1".

Accompanying report No. 266.

25¢. *Cat. No. M32-273*

274.—**Cacouna peat bog, Quebec; map,** by A. Anrep. 1914. 1350' : 1".

Accompanying report No. 266.

25¢. *Cat. No. M32-274*

275.—**Le Parc peat bog, Quebec; map,** by A. Anrep. 1914. 1300' : 1".

Accompanying report No. 266.

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276.—**St. Denis peat bog, Quebec; map,** by A. Anrep. 1914. 1100' : 1".

Accompanying report No. 266.

25¢. *Cat. No. M32-276*

277.—**Rivière Ouelle peat bog, Quebec; map,** by A. Anrep. 1914. 2500' : 1".

Accompanying report No. 266.

25¢. *Cat. No. M32-277*

278.—**Moose Mountain peat bog, Ontario; map,** by A. Anrep. 1914. 300' : 1".

Accompanying report No. 266.

25¢. *Cat. No. M32-278*

279.—**Report on the building and ornamental stones of Canada; Vol. III: Province of Quebec,** by Wm. A. Parks. 1914. 304p. 52 pls., 12 figs., tables.

Voir le rapport nº 389 pour l'édition française. See also reports No. 100, 203, 388, and 452.

50¢. *Cat. No. M32-279*

280.—**Rapport sur les pierres de construction et d'ornement du Canada; Vol. II: Provinces Maritimes,** par Wm. A. Parks. 1916. 266p. 45 planches, 9 figures, tableaux.

See report No. 203 for English edition. Voir aussi rapports nº 100A et 389.

Édition épuisée. *Nº de cat. M32-280F*

Reports and maps—Rapports.—*Continued—Suite.*

281.—**Preliminary report on the bituminous sands of Northern Alberta,** by S. C. Ells. 1914. 92p. 55 pls., 5 figs., tables, 1 map in pocket.

Voir le rapport nº 282 pour l'édition française. See map No. 284. See also report No. 632.

Out of print. *Cat. No. M32-281*

282.—**Rapport préliminaire sur les sables bitumineux de l'Alberta Nord,** par S. C. Ells. 1916. 96p. 55 planches, 5 figures, tableaux, 1 carte hors-texte.

See report No. 281 for English edition.

Édition épuisée. *Nº de cat. M32-282F*

283.—**Preliminary report on the mineral production of Canada during the calendar year 1913,** by John McLeish. 1914. 21p. Tables.

Part of report No. 285.

Out of print. *Cat. No. M32-283*

284.—**Portion of Northern Alberta showing position of outcrops of bituminous sand; index map,** by S. C. Ells. 1914. 12½m : 1".

Accompanying reports No. 281 and 285.

Out of print. *Cat. No. M32-284*

285.—**Summary report of the Mines Branch of the Department of Mines for the calendar year 1913.** 1914. 214p. 51 pls., 24 figs., table, 1 map. (Sess. Paper No. 26a-1914).

Contents.—*Director's general report, by Eugene Haanel.*—***Individual reports:***—*Metalliferous Division: (1) Copper mines and copper mining in Canada; (2) Platinum discoveries in the vicinity of Nelson, B.C.; (3) Hall process for desulphurizing ores, by Alfred W. G. Wilson; (4) Iron ore occurrences in Cape Breton, by E. Lindeman, (5) Lode mining in Yukon, by T. A. MacLean;—Non-metalliferous Division: (1) Canadian markets for mineral products, by Howells Fréchette; (2) White mica occurrence in the Tête Jaune Cache and Big Ben, B.C., by Hugh S. de Schmid; (3) Saline springs of Manitoba, by L. H. Cole; (4) Bituminous sands of Northern Alberta. by S. E. Ells; (5) Building and ornamental stones of Quebec, by W. A. Parks;—Ore dressing and metallurgical Division; (1) Progress report, by G. C. Mackenzie; (2) Work of the Laboratories, by W. B. Timm; (3) Magnetic iron sands at Natashkwan, Que., by C. S. Parsons; (4) Processes for smelting zinc ores, by W. R. Ingalls; (5) Cobalt and its alloys, by Herbert T. Kalmus;—Fuel Testing Division: (1) Work at Fuel Testing Station, by B. F. Haanel; (2) Investigation of five lignite samples from Alberta, by B. F. Haanel and John Blizard; (3) Chemical Laboratory, by Edgar Stansfield; (4) Investigation of peat bogs, by Aleph von Anrep.*—***Appendices:** *Mineral production 1913 (see Report No. 283); Description of the Mines Branch Laboratories.*

Voir le rapport nº 286 pour l'édition française. See map No. 284.

Out of print. *Cat. No. M32-285*

286.—**Rapport sommaire de la Division des mines du ministère des Mines, pour l'année civile 1913.** 1915. 219p. 51 planches, 24 figures, tableaux, 1 carte. (Doc. parl. nº 26a-1914.)

Sommaire.—*Rapport général du directeur, par Eugène Haanel.*—***Rapports individuels:** Division métallifère: (1) Mines de cuivre et exploitation du cuivre au Canada; (2) Découvertes de platine dans le voisinage de Nelson, B.C.; (3) Le procédé Hall pour le dessoufrage des minerais, par A. G. W. Wilson; (4) Les gisements de minerai de fer au Cap Breton, par E. Lindeman; (5) Exploitation des filons au Yukon, par T. A. MacLean;—Division non-métallifère: (1) Le marché canadien à la recherche de divers produits minéraux, par Howells Fréchette; (2) Gisements*

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286.—**Rapport sommaire, 1913.**—*Suite.*

de mica blanc dans les districts de la cache de la Tête Jaune et de Big-Bend, C.-B., par Hugh S. de Schmid; (3) Le sel du Canada, par L. H. Cole; (4) Sables bitumineux de l'Alberta Nord, par S. C. Ells; (5) Les pierres de construction et d'ornement de Québec, par W. A. Parks;—Division de la métallurgie et de la préparation du minerai: (1) Rapport des opérations, par G. S. MacKenzie; (2) Travaux aux laboratoires, par W. B. Timm; (3) Recherches sur les sables magnétiques de Natashkwan, Qué., par C. S. Parsons; (4) Recherches sur le zinc, par R. W. Ingalls; (5) Recherches sur le cobalt et les alliages du cobalt, par Herbert T. Kalmus;—Division des combustibles et d'essai de combustibles: (1) Travaux à la station des essais, par B. F. Haanel; (2) Résultat de l'examen de cinq échantillons de lignite d'Alberta, par B. F. Haanel et John Blizard; (3) Laboratoire de chimie, par Edgar Stansfield; (4) Recherches sur les tourbières, par Aleph von Anrep.— **Appendices:** *Rapport préliminaire sur la production minérale du Canada en 1913, par John McLeish; Description des laboratoires de la division des Mines.*

See report No. 285 for English edition.

Édition épuisée. ***N° de cat. M32-286F***

287.—**La production du fer et de l'acier au Canada pendant l'année civile 1912,** par J. McLeish. 1915. 40p. Tableaux.

See report No. 247 for English edition.

Édition épuisée. ***N° de cat. M32-287F***

288.—**La production de charbon et de coke au Canada pendant l'année civile 1912,** par John McLeish. 1914. 40p. Tableaux.

See report No. 258 for English edition.

Édition épuisée. ***N° de cat. M32-288F***

289.—**La production du ciment, de la chaux, des produits d'argile, de la pierre et d'autres matériaux de construction au Canada pendant l'année civile 1912,** par John McLeish. 1914. 64p. Tableaux.

See report No. 257 for English edition.

Édition épuisée. ***N° de cat. M32-289F***

290.—**La production de cuivre, or, plomb, nickel, argent, zinc et autres métaux au Canada pendant l'année civile 1912,** par Cosmo T. Carthwright. 1914. 86p. Tableaux.

See report No. 256 for English edition.

Édition épuisée. ***N° de cat. M32-290F***

291.—**Petroleum and natural gas resources of Canada,** by F. G. Clapp and others. 1914-1915. 2 v.

Vol. 1—Technology and exploitation. 378p. 21 pls., 25 figs., tables, 1 map.

See map No. 293. Voir le rapport n° 292 pour l'édition française.

Out of print. ***Cat. No. M32-291/1***

Vol. 2.—Description of occurrences. 1915. 404p. Illus., tables, maps.

Out of print. ***Cat. No. M32-291/2***

Separate parts of volume 2

Vol. 2, part 1.—Eastern Canada. 245p. 12 pls., 23 figs., 3 maps.

See maps No. 294, 295, and 296.

50¢. ***Cat. No. M32-291/21***

Vol. 2, part 2.—Western Canada. 159p. 19 pls., 17 figs., 3 maps.

See maps No. 297, 298, and 302.

Out of print. ***Cat. No. M32-291/22***

Reports and maps—Rapports.—*Continued—Suite.*

292.—**Ressources du Canada en pétrole et en gaz naturel. Volume 1: Technologie et exploitation,** par Frederick G. Clapp. 1917. 398p. 21 planches, 25 figures, tableaux, 1 carte.
See report No. 291, Vol. I, for English edition.
Édition épuisée.
N° de cat. M32-292F

293.—**Dominion of Canada; map showing the occurrences of oil, gas, and tar sands.** 1915. 197.3m : 1".
Accompanying report No. 291, Vol. I.
Out of print.
Cat. No. M32-293

294.—**Reconnaissance map of part of Albert and Westmorland counties,** New Brunswick, by R. W. Ells and S. C. Ells. 1915. 1m : 1".
Accompanying report No. 291, Vol. 2.
Out of print.
Cat. No. M32-294

295.—**Gaspe oil fields, Quebec; sketch plan showing location of wells.** 1915. 2m : 1".
Accompanying report No. 291, Vol. 2.
Out of print.
Cat. No. M32-295

296.—**Southwestern Ontario; map showing gas and oil fields and pipe-lines.** 1915. 4m : 1".
Accompanying report No. 291, Vol. 2. See also map No. 523.
Out of print.
Cat. No. M32-296

297.—**Alberta, Saskatchewan, and Manitoba; geological map,** by W. Malcolm. 1914. 35cm : 1".
Accompanying report No. 291, Vol. 2.
Out of print.
Cat. No. M32-297

298.—**Forty-ninth parallel,** B.C. and Alberta; **geological map,** by R. A. Daly. 1913. 1m : 1".
Accompanying report No. 291, Vol. 2.
Out of print.
Cat. No. M32-298

299.—**Peat, lignite, and coal:** their value as fuels for the production of gas and power in the by-product recovery producer, by B. F. Haanel. 1914. 261p. 29 pls., 39 figs., tables.
Voir le rapport n° 300 pour l'édition française.
50¢.
Cat. No. M32-299

300.—**Tourbe, lignite, et houille:** leur valeur respective comme source de gaz de moteur et d'énergie, dans les gazogènes à sous-produits, par B. F. Haanel. 1917. 206p. 29 planches, 39 figures, 20 tableaux.
See report No. 299 for English edition.
Édition épuisée.
N° de cat. M32-300F

301.—Not published.

302.—**Bow island—Calgary; map showing location of main gas line.** 1915. 12½m : 1".
Accompanying report No. 291, Vol. 2.
Out of print.
Cat. No. M32-302

Reports and maps—Rapports.—*Continued—Suite.*

303.—**Moose Mountain iron-bearing district, Ontario,** by E. Lindeman. 1914. 14p. 2 figs., 8 maps in envelope.
Voir le rapport nº 304 pour l'édition française. See maps No. 205, 205A, 206, 207, 208, 208A, 208B, 208C.
20¢. *Cat. No. M32-303*

304.—**Le district ferrifère de Moose-Mountain, Ontario,** par E. Lindeman. 1917. 12p. 2 figures, 8 cartes dans une enveloppe.
See report No. 303 for English edition.
20¢ *Nº de cat. M32-304F*

305.—**Report on the non-metallic minerals used in the Canadian manufacturing industries,** by Howells Fréchette. 1914. 199p. 37 tables.
Voir le rapport nº 306 pour l'édition française.
Out of print. *Cat. No. M32-305*

306.—**Rapport sur les minéraux non-métalliques employés dans les industries manufacturières du Canada,** par Howells Fréchette. 1917. 204p. 37 tableaux.
See report No. 305 for English edition.
Édition épuisée. *Nº de cat. M32-306F*

307.—**Catalogue des publications françaises du ministère des Mines** (Division des mines et Commission géologique), jusqu'au 1er juillet 1914.
Édition épuisée. *Nº de cat. M32-307F*

308.—**Recherches sur les charbons du Canada,** au point de vue de leurs qualités économiques, faites à l'Université McGill de Montréal sous le patronage du Gouvernement du Dominion, par J. B. Porter, R. J. Durley et autres. 1914-1917. Volume 1-4 et 6.
See report No. 83 for English edition.

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Vol. 1.—Rapport, parties 1-6. 1914. 275p. 46 planches, 31 figures, tableaux, 5 cartes.
Édition épuisée. *Nº de cat. M32-308/1F*

Vol. 2.—Rapport, parties 7-9. 1915. 210p. 17 planches, 25 figures, tableaux.
Édition épuisée. *Nº de cat. M32-308/2F*

Vol. 3.—Appendice 1: Résultats détaillés des essais de lavage de charbons, par J. B. Porter. 1915. 172p. Tableaux, graphiques.
Édition épuisée. *Nº de cat. M32-308/3F*

Vol. 4.—Appendice 2: Résultats détaillés des essais aux chaudières, par R. J. Durley. 1915. 424p. Tableaux, graphiques.
Édition épuisée. *Nº de cat. M32-308/4F*

Vol. 5.—Appendice 3: (paru en anglais seulement).

Vol. 6.—Appendice 4: Fabrication et essai du coke, par Edgar Stansfield et J. B. Porter; **appendice 5: Travaux de laboratoire,** par Edgar Stansfield. 1917. 127p. 3 planches, 6 figures, 25 tableaux.
Édition épuisée. *Nº de cat. M32-308/6F*

Reports and maps—Rapports.—*Continued—Suite.*

309.—**The Physical properties of the metal cobalt,** by H. T. Kalmus and C. Harper. 1914. 48p. 14 pls., 8 figs., tables. (Researches on cobalt and cobalt alloys, conducted at Queen's University, Kingston, Ontario, for the Mines Branch of the Department of Mines, Part 2.)

Voir le rapport nº 310 pour l'édition française. See also reports No. 259, 334, 411, and 413.

25¢. *Cat. No. M32-309*

310.—**Propriétés physiques du cobalt métallique,** par H. T. Kalmus. 1916. 51p. 14 planches, 8 figures, tableaux. (Recherches sur le cobalt et ses alliages, faites à l'Université Queens, de Kingston, Ontario, pour la Division des mines, du ministère des Mines, partie 2.)

See report No. 309 for English edition. Voir aussi rapports nºs 260, 335, 412 et 414.

Édition épuisée. *Nº de cat. M32-310F*

311.—**McPherson mine,** Barachois, Cape Breton county, Nova Scotia; **magnetometric map,** by A. H. A. Robinson. 1913. 200′ : 1″.

Accompanying report No. 217, Vol. II.

25¢. *Cat. No. M32-311*

312.—**Iron ore deposits at Upper Glencoe,** Inverness county, Nova Scotia; **magnetometric map,** by E. Lindeman. 1913. 200′ : 1″.

Accompanying report No. 217, Vol. II.

25¢. *Cat. No. M32-312*

313.—**Iron ore deposits at Grand Mira,** Cape Breton county, Nova Scotia; **magnetometric map,** by A. H. A. Robinson. 1913. 200′ : 1″.

Accompanying report No. 217, Vol. II.

25¢. *Cat. No. M32-313*

314.—**Gisements de minerais de fer de la mine Bristol,** comté de Pontiac, Québec: **Levé magnétométrique,** etc., par E. Lindeman; **Concentration magnétique de minerais,** par Geo. S. MacKenzie. 1915. 15p. 2 planches, 2 tableaux et deux cartes hors-texte. (Bulletin nº 2.)

See report No. 67 for English edition.

Édition épuisée. *Nº de cat. M32-314F*

315.—**The production of iron and steel in Canada during the calendar year 1913,** by John McLeish. 1914. 44p. Tables.

Advance chapter of report No. 320.

Out of print. *Cat. No. M32-315*

316.—**The production of coal and coke in Canada during the calendar year 1913,** by John McLeish. 1914. 40p. Tables.

Advance chapter of report No. 320.

Out of print. *Cat. No. M32-316*

317.—**The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada during the calendar year 1913,** by Cosmo T. Cartwright. 1914. 77p. Tables.

Advance chapter of report No. 320.

Out of print. *Cat. No. M32-317*

Reports and maps—Rapports.—*Continued—Suite.*

318.—**The production of cement, lime, clay products, stone, and other structural materials in Canada during the calendar year 1913,** by John McLeish. 1914. 62p. Tables.
Advance chapter of report No. 320.
Out of print. ***Cat. No. M32-318***

319.—**General summary of the mineral production of Canada during the calendar year 1913,** by John McLeish. 1914. 50p. Diagrams, tables.
Advance chapter of report No. 320.
Out of print. ***Cat. No. M32-319***

320.—**Annual report on the mineral production of Canada during the calendar year 1913,** by John McLeish. 1914. 363p. Diagrams, tables.
Voir le rapport nº 321 pour l'édition française. See separates No. 315, 316, 317, 318, and 319.
Out of print. ***Cat. No. M32-320***

321.—**Rapport annuel de la production minérale du Canada durant l'année civile 1913,** par John McLeish. 1915. 364p. Diagrammes, tableaux.
See report No. 320 for English edition.
Édition épuisée. ***Nº de cat. M32-321F***

322.—**Economic minerals and mining industries of Canada.** Second edition. 1914. 78p. 19 pls., 1 map in pocket.
Special edition prepared for the Panama-Pacific Exposition, San Francisco, 1915.
Out of print. ***Cat. No. M32-322***

323.—**Products and by-products of coal,** by E. Stansfield and F. E. Carter. 1915. 51p. Tables.
Voir le rapport nº 324 pour l'édition française.
15¢. ***Cat. No. M32-323***

324.—**Produits et sous-produits de la houille,** par E. Stansfield et F. E. Carter. 1917. 60p. Tableaux.
See report No. 323 for English edition.
Édition épuisée. ***Nº de cat. M32-324F***

325.—**Report on the salt deposits of Canada and the salt industry,** by L. Heber Cole. 1915. 152p. 26 pls., 25 figs., 4 maps.
Voir le rapport nº 326 pour l'édition française. See maps No. 327, 328, 329, and 330. See also reports No. 716.
50¢. ***Cat. No. M32-325***

326.—**Rapport sur les dépôts salifères du Canada et l'industrie du sel,** par L. Heber Cole. 1917. 172p. 27 planches, 25 figures, 4 cartes.
See report No. 325 for English edition.
Édition épuisée. ***Nº de cat. M32-326F***

327.—**Dominion of Canada; map showing location of saline springs and salt areas,** by L. Heber Cole. 1915. 600m : 1".
Accompanying report No. 325.
25¢. ***Cat. No. M32-327***

328.—**Maritime Provinces; map showing location of saline springs,** by L. Heber Cole. 1915. 100m : 1".
Accompanying report No. 325.
25¢. ***Cat. No. M32-328***

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329.—**Ontario-Michigan salt basin; map** showing probable limit of productive area, by L. Heber Cole. 1915. 25m : 1″.
Accompanying report No. 325.
25¢. *Cat. No. M32-329*

330.—**Northern Manitoba; map showing location of saline springs,** by L. H. Cole. 1915. 12½m : 1″.
Accompanying report No. 325.
25¢. *Cat. No. M32-330*

331.—**Results of the investigation of six lignite samples obtained from the province of Alberta,** by B. F. Haanel and John Blizard. 1915. 110p. 5 pls., 29 figs., tables.
25¢. *Cat. No. M32-331*

332.—Not published.

333.—**Preliminary report on the mineral production of Canada during the calendar year 1914,** by John McLeish. 1915. 24p. Tables.
Part of report No. 346.
25¢. *Cat. No. M32-333*

334.—**Electro-plating with cobalt,** by H. T. Kalmus, assisted by C. H. Harper and W. L. Savell. 1915. 69p. 4 figs., tables. (Researches on cobalt and cobalt alloys, conducted at Queen's University. Kingston, Ontario, for the Mines Branch of the Department of Mines, Part 3.)
Voir le rapport nº 335 pour l'édition française. See also reports No. 259, 309, 411, and 413.
Out of print. *Cat. No. M32-334*

335.—**Galvanoplastie au cobalt,** par H. T. Kalmus, en collaboration avec C. H. Harper et W.-L. Savell. 1917. 76p. 4 figures, tableaux. (Recherches sur le cobalt et ses alliages, faites à l'Université Queens, de Kingston, Ontario, pour la Division des mines du ministère des Mines, 3e partie.)
See report No. 334 for English edition. Voir aussi rapports nº 260, 310, 412 et 414.
Édition épuisée. *Nº de cat. M32-335F*

336.—**Notes on clay deposits near McMurray, Alberta,** by Sydney C. Ells. 1915. 15p. (Bulletin No. 10.)
10¢. *Cat. No. M32-336*

337.—**Catalogue of Mines Branch publications** (8th to 11th editions).
Out of print. *Cat. No. M32-337*

338.—**An investigation of the coal of Canada** with reference to their economic qualities as conducted at McGill University, Montreal, under the authority of the Dominion Government. Extra volume supplementing report No. 83: **Weathering of coal,** by J. B. Porter and others. 1915. 194p. 6 pls., 65 figs., tables.
$1 *Cat. No. M32-338*

339.—Not published.

340.—**Atikokan iron-bearing district,** Atikokan mine and vicinity, Rainy River district, Ontario; **magnetometric map** of claims No. 10E, 11E, 12E, 24E, 25E, and 26E, by A. H. A. Robinson. 1914. 400′ : 1″.
Accompanying report No. 217, Vol. 1.
25¢. *Cat. No. M32-340*

Reports and maps—Rapports.—*Continued—Suite.*

340A.—**Atikokan iron-bearing district,** Atikokan mine and vicinity, Rainy River district, Ontario; **geological map** of claims No. 10E, 11E, 12E, 24E, 25E, and 26E, by A. H. A. Robinson. 1914. 400':1".
Accompanying report No. 217, Vol. 1.
25¢. *Cat. No. M32-340A*

341.—**Atikokan iron-bearing district,** Rainy River district, Ontario; **magnetometric map, sheet No. 1,** claims No. 400R, 401R, 402R, 212X, and 403R, by E. Lindeman. 1914. 400' : 1".
Accompanying report No. 217, Vol. 2.
25¢. *Cat. No. M32-341*

341A.—**Atikokan iron-bearing district,** Rainy River district, Ontario; **geological map, sheet No. 1,** claims No. 400R, 401R, 402R, 212X, and 403R, by E. Lindeman. 1914. 400' : 1".
Accompanying report No. 217, Vol. 2.
25¢. *Cat. No. M32-341A*

342.—**Atikokan iron-bearing district,** Rainy River district, Ontario; **magnetometric map, sheet No. 2,** claims No. 403R, 404R, 138X, 139X, and 140X, by E. Lindeman. 1914. 400' : 1".
25¢. *Cat. No. M32-342*

342A.—**Atikokan iron-bearing district,** Rainy River district, Ontario; **geological map, sheet No. 2,** claims No. 403R, 404R, 138X, 139X, and 140X, by E. Lindeman. 1914. 400' : 1".
25¢. *Cat. No. M32-342A*

343.—**Atikokan iron-bearing district, Mile Post No. 140,** Canadian Northern railway, Rainy River district, Ontario; **magnetometric map,** by E. Lindeman. 1914. 400' : 1"
Accompanying report No. 217, Vol. 2.
25¢. *Cat. No. M32-343*

343A.—**Atikokan iron-bearing district, Mile Post No. 140,** Canadian Northern Railway, Rainy River district, Ontario; **geological map,** by E. Lindeman. 1914. 400' : 1".
Accompanying report No. 217, Vol. 2.
25¢. *Cat. No. M32-343A*

344.—**Electrothermic smelting of iron ores in Sweden,** by A. Stansfield. 1915. 65p. 7 pls., 5 figs., tables.
Voir le rapport nº 345 pour l'édition française.
25¢. *Cat. No. M32-344*

345.—**Réduction électrothermique des minerais de fer en Suède,** par Alfred Stansfield. 1917. 67p. 7 planches, 5 figures, tableaux.
See report No. 344 for English edition.
Édition épuisée. *Nº de cat. M32-345F*

346.—**Summary report of the Mines Branch of the Department of Mines, for the calendar year ending December 31, 1914.** 1915. 232p. 12 pls., 15 figs., tables. (Sess. Paper No. 26a-1915.)

Contents.—*Director's general report, by Eugene Haanel.—Individual reports:—Metalliferous Division: (1) Examination of certain copper deposits in Quebec, by A. W. G. Wilson; (2) The Atikokan and Matawin iron ranges, by E. Lindeman; (3) The Atikokan iron range, by A. H. A. Robinson;—Non-Metalliferous Division: (1) Limestones of the provin-*

Reports and maps—Rapports.—*Continued—Suite.*

ce of Quebec, by Howells Fréchette; (2) Investigation of miscellaneous non-metallic minerals, by H. S. de Schmid; (3) Sand areas of Quebec, by L. H. Cole; (4) Bituminous sands of northern Alberta, by S. C. Ells; (5) Building and ornamental stones of Prairie Provinces, by W. A. Parks;—Ore Dressing and Metallurgical Division: (1) Progress report, by G. C. Mackenzie; (2) Electro-plating with cobalt, by H. T. Kalmus;—Fuels and Fuel Testing Division: (1) Chemical laboratories, by E. Stansfield; (2) Investigation of peat bogs, by A. Anrep; (3) Mechanical work done at Fuel Testing Station, by A. W. Mantle.—Chemical Laboratory, Sussex St., by F. G. Wait;—Division of Mineral Resources and Statistics, by John McLeish;—Hillcrest Mine disaster, by J. G. S. Hudson. —Appendices: Preliminary report on mineral production (see Report No. 333);—Explosives Act, 4-5 George V.

Voir le rapport nº 347 pour l'édition française.

25¢. *Cat. No. M32-346*

347.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'année terminée le 31 décembre 1914.** 1916. 238p. 12 planches, 15 figures, tableaux. (Doc. de la session nº 26a-1915.)

Sommaire.—*Rapport du directeur général, par Eugène Haanel.—Rapports individuels:—Division de métallurgie: (1) Examen de certains dépôts de cuivre dans Québec, par A. W. G. Wilson; (2) Les régimes de fer Atikokan et Matawin, par E. Lindeman; (3) Champ ferrugineux d'Atikokan, par A. H. A. Robinson;—Division non-métallifère: (1) Pierres calcaires de la province de Québec, par Howells Fréchette; (2) Enquête sur divers minerais non métalliques, par H. S. de Schmid; (3) Sables de la province de Québec, par L. H. Cole; (4) Les sables bitumineux de l'Alberta septentrional, par S. C. Ells; (5) Pierres de construction et d'ornementation, par W. A. Parks;—Traitement du minerai et Division de la métallurgie: (1) Rapport, par G. C. Mackenzie; (2) Électro-placage au cobalt, par H. T. Kalmus;—Division des combustibles et d'essai de combustibles: (1) Laboratoires chimiques, par E. Stansfield; (2) Recherches sur les tourbières, par A. Anrep; (3) Travaux mécaniques effectués à la Station de l'épreuve des combustibles, par A. W. Mantle;—Laboratoire de chimie, rue Sussex, par F. G. Wait;—Rapport des ressources minérales et des statistiques, par J. McLeish;—Désastre de la mine Hillcrest, par J. G. S. Hudson.—Appendices: Rapport préliminaire concernant la production minérale du Canada, 1914, par J. McLeish; —Loi des explosifs, 4-5 George V.*

See report No. 346 for English edition.

Édition épuisée. *Nº de cat. M32-347F*

348.—**The production of coal and coke in Canada during the calendar year 1914,** by John McLeish. 1915. 39p. Tables.

Advance chapter of report No. 384.

Out of print. *Cat. No. M32-348*

349.—**The production of iron and steel in Canada during the calendar year 1914,** by John McLeish. 1915. 35p. Tables.

Advance chapter of report No. 384.

Out of print. *Cat. No. M32-349*

350.—**The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada during the calendar year 1914.** 1915. 75p.

Advance chapter of report No. 384.

Out of print. *Cat. No. M32-350*

351.—**Investigation of the peat bogs and peat industry of Canada, 1913-14,** by A. Anrep. 1915. 185p. 92 pls., 66 figs., tables, 30 maps. (Bulletin No. 11.)

Voir le rapport nº 352 pour l'édition française. See maps No. 354 to 383 inclusive.

Out of print. *Cat. No. M32-351*

Reports and maps—Rapports.—*Continued—Suite.*

352.—**Recherches sur les tourbières et l'industrie de la tourbe au Canada, 1913-1914,** par Aleph Anrep. 1917. 191p. 92 planches, 66 figures, tableaux, 30 cartes. (Bulletin n° 11.)
See report No. 351 for English edition.
Édition épuisée. *N° de cat. M32-352F*

353.—Not published.

354.—**Index map, showing location of peat bogs investigated in Ontario,** by A. Anrep. 1915. 35m : 1".
Accompanying report No. 351. See also map No. 477.
Out of print. *Cat. No. M32-354*

355.—**Richmond peat bog,** Carleton county, Ontario; **map,** by A. Anrep. 1915. 3400' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-355*

356.—**Luther peat bog,** Wellington and Dufferin counties, Ontario; **map,** by A. Anrep. 1915. 3000' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-356*

357.—**Amaranth peat bog,** Dufferin county, Ontario; **map,** by A. Anrep. 1915. 2200' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-357*

358.—**Cargill peat bog,** Bruce county, Ontario; **map,** by A. Anrep. 1915. 6800' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-358*

359.—**Westover peat bog,** Wentworth county, Ontario; **map,** by A. Anrep. 1915. 4000' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-359*

360.—**Mash Hill peat bog,** Ontario county, Ontario; **map,** by A. Anrep. 1915. 4000' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-360*

361.—**Sunderland peat bog,** Ontario county, Ontario; **map,** by A. Anrep. 1915. 2400' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-361*

362.—**Manila peat bog,** Victoria county, Ontario; **map,** by A. Anrep. 1915. 2400' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-362*

363.—**Stoco peat bog,** Hastings county, Ontario; **map,** by A. Anrep. 1915. 1900' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-363*

364.—**Clareview peat bog,** Lennox and Addington counties, Ontario; **map,** by A. Anrep. 1915. 2000' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-364*

Reports and maps—Rapports.—*Continued—Suite.*

365.—**Index map, showing location of peat bogs investigated in Quebec,** by A. Anrep. 1915. 35m : 1".
Accompanying report No. 351. See also map No. 484.
Out of print. *Cat. No. M32-365*

366.—**L'Assomption peat bog,** L'Assomption county, Quebec; **map,** by A. Anrep. 1915. 3800' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-366*

367.—**St. Isidore peat bog,** La Prairie county, Quebec; **map,** by A. Anrep. 1915. 2400' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-367*

368.—**Holton peat bog,** Chateauguay county, Quebec; **map,** by A. Anrep. 1915. 3800' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-368*

369.—**Index map, showing location of peat bogs investigated in Nova Scotia and Prince Edward Island,** by A. Anrep. 1915. 35m : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-369*

370.—**Black Marsh bog,** Prince county, Prince Edward Island; **map,** by A. Anrep. 1915. 1900' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-370*

371.—**Portage peat bog,** Prince county, Prince Edward Island; **map,** by A. Anrep. 1915. 2600' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-371*

372.—**Miscouche peat bog,** Prince county, Prince Edward Island; **map,** by A. Anrep. 1915. 3400' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-372*

373.—**Muddy Creek peat bog,** Prince county, Prince Edward Island; **map,** by A. Anrep. 1915. 1220' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-373*

374.—**The Black Banks peat bog,** Prince county, Prince Edward Island; **map,** by A. Anrep. 1915. 2000' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-374*

375.—**Mermaid peat bog,** Queens county, Prince Edward Island; **map,** by A. Anrep. 1915. 1050' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-375*

376.—**Caribou peat bog,** Kings county, Prince Edward Island; **map,** by A. Anrep. 1915. 2500' : 1".
Accompanying report No. 351.
Out of print. *Cat. No. M32-376*

Reports and maps—Rapports.—*Continued—Suite.*

377.—**Cherryfield peat bog,** Lunenburg county, Nova Scotia; **map,** by A. Anrep. 1915. 1100′ : 1″.
Accompanying report No. 351.
Out of print. *Cat. No. M32-377*

378.—**Tusket peat bog,** Yarmouth county, Nova Scotia; **map,** by A. Anrep. 1915. 1250′ : 1″.
Accompanying report No. 351.
Out of print. *Cat. No. M32-378*

379.—**Makoke peat bog,** Yarmouth county, Nova Scotia; **map,** by A. Anrep. 1915. 1900′ : 1″.
Accompanying report No. 351.
Out of print. *Cat. No. M32-379*

380.—**Heath peat bog,** Yarmouth county, Nova Scotia; **map,** by A. Anrep. 1915. 2700′ : 1″.
Accompanying report No. 351.
Out of print. *Cat. No. M32-380*

381.—**Port Clyde peat bog,** Shelburne county, Nova Scotia; **map,** by A. Anrep. 1915. 2200′ : 1″.
Accompanying report No. 351.
Out of print. *Cat. No. M32-381*

382.—**Latour peat bog,** Shelburne county, Nova Scotia; **map,** by A. Anrep. 1915. 2400′ : 1″.
Accompanying report No. 351.
Out of print. *Cat. No. M32-382*

383.—**Clyde peat bog,** Shelburne county, Nova Scotia; **map,** by A. Anrep. 1915. 4500′ : 1″.
Accompanying report No. 351.
Out of print. *Cat. No. M32-383*

383A.—**The production of cement, lime, clay products, stone and other structural materials in Canada during the calendar year 1914,** by John McLeish. 1915. 60p. Tables.
Advance chapter of report No. 384.
Out of print. *Cat. No. M32-383A*

384.—**Annual report on the mineral production of Canada during the calendar year 1914,** by John McLeish. 1915. 362p. Tables.
Voir le rapport nº 415 pour l'édition française. See separates No. 348, 349, 350 and 383A.
Out of print. *Cat. No. M32-384*

385.—**Investigation of a reported discovery of phosphate in Alberta,** by H. S. de Schmid. 1916. 38p. 12 pls., 1 fig., 1 map. (Bulletin No. 12.)
Voir le rapport nº 386 pour l'édition française. See map No. 387.
15¢. *Cat. No. M32-385*

386.—**Recherches sur un gisement de phosphate signalé dans l'Alberta,** par H. S. de Schmid. 1917. 41p. 12 planches, 1 figure, 1 carte. (Bulletin nº 12.)
See report No. 385 for English edition.
Édition épuisée. *Nº de cat. M32-386F*

Reports and maps—Rapports.—*Continued—Suite.*

387.—**Banff district, Alberta; geological map showing location of phosphate beds,** by J. A. Allan. 1916. 1½m : 1".
Accompanying report No. 385.
25¢.
Cat. No. M32-387

388.—**Report on the building and ornamental stones of Canada; Vol. IV: Province of Manitoba, Saskatchewan and Alberta,** by W. A. Parks. 1916. 333p. 56 pls., 7 figs., 1 map.
See also reports No. 100, 203, 279, 452.
$1
Cat. No. M32-388

389.—**Rapport sur les pierres de construction et d'ornement du Canada; Volume 3: Province de Québec,** par W. A. Parks. 1916. 330p. 52 planches, 12 figures, tableaux.
See report No. 279 for English edition. Voir aussi rapports nº 100A et 280.
Édition épuisée.
Nº de cat. M32-389F

390.—**Christina river map,** showing outcrops of bituminous sand along Christina valley; contour intervals of 20 feet, by S. C. Ells. 1915. 1000' : 1".
See also map No. 633.
Out of print.
Cat. No. M32-390

391.—**Clearwater river map,** showing outcrops of bituminous sand along Clearwater valley; contour intervals of 20 feet, by S. C. Ells. 1915. 1000' : 1".
See also maps No. 633, 634.
Out of print.
Cat. No. M32-391

392.—**Hanginstone-Horse rivers map,** showing outcrops of bituminous sand along Hanginstone and Horse River valleys; contour intervals of 20 feet, by S. C. Ells. 1915. 1000' : 1".
See also map No. 635.
Out of print.
Cat. No. M32-392

393.—**Steepbank river map,** showing outcrops of bituminous sand along Steepbank valley; contour intervals of 20 feet, by S. C. Ells. 1915. 1000' : 1".
See also map No. 636
Out of print.
Cat. No. M32-393

394.—**McKay river map** (3 sheets), showing outcrops of bituminous sand along McKay valley; contour intervals of 20 feet, by S. C. Ells. 1915. 1000' : 1".
See map No. 637.
Out of print.
Cat. No. M32-394

395.—**Moose river map,** showing outcrops of bituminous sand along Moose valley; contour intervals of 20 feet, by S. C. Ells. 1915. 1000' : 1".
See also map No. 638.
Out of print.
Cat. No. M32-395

396.—**Phosphate in Canada,** by Hugh S. Spence. 1920. 156p. 32 pls., 12 figs., 13 maps.
Voir le rapport nº 397 pour l'édition française. See maps No. 398, 399.
Cat. No. M32-396
25¢.

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Reports and maps—Rapports.—*Continued—Suite.*

397.—**Le phosphate au Canada,** par Hugh S. Spence. 1921. 169p. 31 planches, 12 figures, 13 cartes.
See report No. 396 for English edition.
Édition épuisée. *N° de cat. M32-397F*

398.—**Ontario phosphate area; index map,** showing location of the principal mines and occurrences, by H. S. de Schmid. 1916. 3.95m : 1″.
Accompanying report No. 396.
25¢. *Cat. No. M32-398*

399.—**Quebec phosphate area; index map,** showing location of the principal mines and occurrences, by H. S. de Schmid. 1916. 3.95m : 1″.
Accompanying report No. 396.
25¢. *Cat. No. M32-399*

400.—Not published.

401.—**Feldspar in Canada,** by Hugh S. de Schmid. 1916. 125p. 22 pls., 12 figs., tables, 2 maps.
Voir le rapport n° 402 pour l'édition française. See maps No. 403 and 404.
25¢. *Cat. No. M32-401*

402.—**Feldspath au Canada,** par Hugh S. de Schmid. 1918. 132p. 22 planches, 12 figures, tableaux, 2 cartes.
See report No. 401 for English edition.
Édition épuisée. *N° de cat. M32-402F*

403.—**Ontario feldspar area; map** showing location of the principal feldspar quarries, by H. S. de Schmid. 1916. 3.95m : 1″.
Accompanying report No. 401.
25¢. *Cat. No. M32-403*

404.—**Quebec feldspar area; map** showing location of the principal feldspar quarries, by H. S. de Schmid. 1916. 3.95m : 1″.
Accompanying report No. 401.
25¢. *Cat. No. M32-404*

405.—**Orton mine and vicinity,** Hastings county, Ontario; **magnetometric map,** by A. H. A. Robinson. 1915. 200′ : 1″.
Accompanying report No. 217, Vol. 2.
25¢. *Cat. No. M32-405*

406.—**Description of the laboratories of the Mines Branch of the Department of Mines, Ottawa.** 1916. 51p. 60 pls., 12 figs. (Bulletin No. 13.)
25¢. *Cat. No. M32-406*

407.—Not published.

408.—**Preliminary report on the mineral production of Canada during the calendar year 1915,** by J. McLeish. 1916. 28p. Tables.
Part of report No. 421.
Out of print. *Cat. No. M32-408*

409.—**Kaministikwia,** Thunder Bay district, Ontario; **magnetometric map,** by A. H. A. Robinson. 1916. 400′ : 1″.
Accompanying report No. 217, Vol. 2.
25¢. *Cat. No. M32-409*

Reports and maps—Rapports.—*Continued—Suite.*

410.—**Kaministikwia,** Thunder Bay district, Ontario; **geological map,** by A. H. A. Robinson. 1916. 400′ : 1″.
Accompanying report No. 217, Vol. 2.
25¢. *Cat. No. M32-410*

411.—**Cobalt alloys with non-corrosive properties,** by Herbert T. Kalmus and K. B. Blake. 1916. 37p. 31 pls., 50 figs., tables. (Researches on cobalt and cobalt alloys, conducted at Queen's University, Kingston, Ontario, for the Mines Branch of the Department of Mines, Part 4.)
Voir le rapport nº 412 pour l'édition française. See also reports No. 259, 309, 334 and 413.
25¢. *Cat. No. M32-411*

412.—**Les alliages de cobalt à propriétés non-corrosives,** par Herbert T. Kalmus et K.-B. Blake. 1917. 37p. 31 planches, 50 figures, tableaux. (Recherches sur le cobalt et ses alliages, faites à l'Université Queens, Kingston, Ontario, pour la Division des mines du ministère des Mines, 4e partie.)
See report No. 411 for English edition. Voir aussi rapports No. 260, 310, 335 et 414.
Édition épuisée. *Nº de cat. M32-412F*

413.—**Magnetic properties of cobalt and of Fe_2Co,** by Herbert T. Kalmus and K. B. Blake. 1916. 18p. 1 pl., 13 figs., tables. (Researches on cobalt and cobalt alloys, conducted at Queen's University, Kingston, Ontario, for the Mines Branch of the Department of Mines, Part 5.)
Voir le rapport nº 414, pour l'édition française. See also reports No. 259, 309, 334 and 411.
25¢. *Cat. No. M32-413*

414.—**Les propriétés magnétiques du cobalt et du Fe_2Co,** par Herbert T. Kalmus et K. B. Blake. 1917. 19p. 1 planche, 13 figures, tableaux. (Recherches sur le cobalt et ses alliages, faites à l'Université Queens, de Kingston, Ontario, pour la Division des mines, du ministère des Mines, 5e partie.)
See report No. 413 for English edition. Voir aussi rapports nº 260, 310, 335 et 412.
Édition épuisée. *Nº de cat. M32-414F*

415.—**Rapport annuel de la production minérale au Canada durant l'année civile 1914,** par John McLeish. 1916. 360p. Tableaux.
See report No. 384 for English edition.
Édition épuisée. *Nº de cat. M32-415F*

416.—**Matawin iron range,** Thunder Bay district, Ontario; **magnetometric map,** claims Nos. 215W to 223W inclusive, by A. H. A. Robinson. 1916. 400′ : 1″.
Accompanying report No. 217, Vol. 2.
25¢. *Cat. No. M32-416*

417.—Not published.

418.—Not published.

419.—**The production of iron and steel in Canada during the calendar year 1915,** by John McLeish. 1916. 48p. Tables.
Advance chapter of report No. 426.
Out of print. *Cat. No. M32-419*

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Reports and maps—Rapports.—*Continued—Suite.*

420.—**The production of coal and coke in Canada during the calendar year 1915,** by John McLeish. 1916. 42p. Tables.
Advance chapter of report No. 426.
Out of print. ***Cat. No. M32-420***

421.—**Summary report of the Mines Branch of the Department of Mines for the calendar year ending December 31, 1915.** 1916. 213p. 13 pls., 3 figs., tables. (Sess. paper No. 26a-1916.)

Contents.—***Director's general report,*** *by Eugene Haanel.*—***Individual reports:***—*Metalliferrous Division: (1) Possibility of producing refined copper in Canada; (2) Antimony ores in Canada, by A. W. G. Wilson; (3) Investigation of iron ores, by A. H. A. Robinson;—Non-metalliferous Division: (1) Limestone of the province of Quebec, by Howells Fréchette; (2) Investigation of miscellaneous non-metallic minerals, by H. S. de Schmid; (3) Building and ornamental stones of Saskatchewan and Alberta, by W. A. Parks;—Ore Dressing and Metallurgical Division: (1) Progress report; and, (2) List of ores tested, by G. C. Mackenzie; (3) Descriptions of several mining properties and tests, by G. C. Mackenzie, W. B. Timm and C. S. Parsons;—Fuels and Fuel Testing Division: (1) Work at Fuel Testing Station, by B. F. Haanel; (2) Chemical laboratories of Fuel Testing Station, by E. Stansfield; (3) Investigation of peat bogs, by A. Anrep;—Ceramic Division: (1) Clay and shale resources; (2) Laboratory and equipment; (3) Testing of clays and shales, by J. Keele; (4) Clays of southern Saskachewan, by N. B. Davis;—Work done by the chemical laboratory, Division of Chemistry, by F. G. Wait;—Report of Division of Mineral Resources and Statistics, by J. McLeish;—Explosives Division: (1) Mine accident at South Wellington, B.C.; (2) Explosion at the Reserve mine, Nanaimo, B.C., by J. G. S. Hudson.—**Appendix:** *Preliminary report on the mineral production (see report No. 408).*
Voir le rapport nº 422 pour l'édition française.
25¢. ***Cat. No. M32-421***

422.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'année terminée le 31 décembre 1915.** 1917. 225p. 13 planches, 3 diagrammes, tableaux. (Doc. parl. nº 26a-1916.)

Sommaire.—***Rapport du directeur général,*** *par Eugène Haanel.*—***Rapports sommaires individuels:***—*Division métallifère: (1) Possibilité de produire du cuivre affiné au Canada; (2) Extraction des minerais d'antimoine, par A. H. A. Robinson;—Division non-métallifère: (1) Calcaires de la province de Québec, par Howells Fréchette; (2) Recherches sur les divers minéraux non métallifères, par H. S. de Schmid; (3) Régions sablonneuses, Québec et Ontario, par L. H. Cole; (4) Sables bitumineux de l'Alberta septentrional, par S. C. Ells; (5) Pierres de construction et d'ornementation, Saskatchewan et Alberta, par W. A. Parks;—Division de la métallurgie et de la préparation mécanique: (1) Rapport des opérations; (2) Liste des minerais dont on a fait l'essai, par G. C. Mackenzie; (3) Description de plusieurs propriétés minières et essais de minerais, par G. C. Mackenzie, W. B. Timm et C. S. Parson;—Services des combustibles: (1) Travaux de la station d'essai, par B. F. Haanel; (2) Laboratoires chimiques de la station d'essai, par E. Stansfield; (3) Recherches sur les tourbières, par A. Anrep;—Division de la céramique: (1) Ressources en argile et en schistes; (2) Laboratoire et outillage; (3) Essais des argiles et des schistes, par Joseph Keele; (4) Gisements d'argile dans la Saskatchewan sud, par N. B. Davis;—Travaux du laboratoire de chimie, par F. G. Wait;—Division des recherches minérales et des statistiques, par John McLeish;—Division des explosifs: (1) Accident de mine à South Wellington, C.-B.; (2) Explosion à la mine de Réserve, C.-B., par J. G. S. Hudson.—**Annexe:** Rapport préliminaire sur la production des minéraux du Canada, durant l'année civile 1915, par John McLeish.*
See report No. 421 for English edition.
Édition épuisée. ***Nº de cat. M32-422F***

Reports and maps—Rapports.—*Continued—Suite.*

423.—**The production of cement, lime, clay products, stone, and other structural materials in Canada during the calendar year 1915,** by John McLeish. 1916. 60p. Tables.
Advance chapter of report No. 426.
Out of print. *Cat. No. M32-423*

424.—**A general summary of the mineral production of Canada during the calendar year 1915,** by John McLeish. 1916. 45p. Tables.
Advance chapter of report No. 426.
Out of print. *Cat. No. M32-424*

425.—**The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada during the calendar year 1915,** 1916. 82p. Tables.
Advance chapter of report No. 426.
Out of print. *Cat. No. M32-425*

426.—**Annual report on the mineral production of Canada during the calendar year 1915,** by John McLeish. 1917. 364p. Tables.
Voir le rapport nº 427 pour l'édition française. See separates No. 419, 420, 423, 424 and 425.
15¢. *Cat. No. M32-426*

427.—**Rapport annuel de la production minérale au Canada durant l'année civile 1915,** par John McLeish. 1917. 352p. Tableaux.
See report No. 426 for English edition.
Édition épuisée. *Nº de cat. M32-427F*

428.—**Report on the production of spelter in Canada, 1916,** by Alfred W. G. Wilson. 1916. 60p. Tables.
15¢. *Cat. No. M32-428*

429.—Not published.

430.—**The coal-fields and coal industry of Eastern Canada; a general survey and description,** by Francis W. Gray. 1917. 67p. 27 pls., 1 fig., 1 map in pocket. (Bulletin No. 14.)
See map No. 434.
25¢. *Cat. No. M32-430*

431.—Not published.

432.—**The mining of thin-coal seams as applied to the eastern coal-fields of Canada,** by J. F. Kellock Brown. 1917. 132p. 1 pl., 61 figs., 1 map in pocket. (Bulletin No. 15.)
See map No. 434.
50¢. *Cat. No. M32-432*

433.—Not published.

434.—**Coal-fields of Nova Scotia and New Brunswick; index map,** by D. B. Browning. 1916. 35m : 1″.
Accompanying reports No. 430 and 432.
25¢. *Cat. No. M32-434*

435.—**Mineral springs of Canada. Part I: The radioactivity of some Canadian mineral springs,** by J. Satterly and R. T. Elworthy. 1917. 60p. 23 pls., 5 figs., 1 map. (Bulletin No. 16.)
See map No. 437.
15¢. *Cat. No. M32-435*

Reports and maps—Rapports.—*Continued—Suite.*

436.—Not published.

437.—**Mineral springs of Ontario and Quebec; index map.** 1917. 40m : 1″.
Accompanying report No. 435.
25¢. *Cat. No. M32-437*

438.—**Western Steel Iron claim at Sechart,** Vancouver Island, B.C.; **magnetometric map,** by E. Lindeman. 1917. 60′ : 1″.
Accompanying report No. 217, Vol. 2.
25¢. *Cat. No. M32-438*

439.—**Baldwin mine,** Hull township, Quebec; **magnetometric map,** by E. Nystrom. 1917. 100′ : 1″.
Accompanying report No. 217, Vol. 2.
25¢. *Cat. No. M32-439*

440.—**Standard specifications for the printing of Mines Branch reports,** monographs, bulletins, etc. Part I: Specifications. Part II: Models. 1916. 2 vol.
Out of print. *Cat. No. M32-440*

441.—**Wilbur mine,** Lavant township, Lanark county, Ontario; **magnetometric map,** by B. F. Haanel. 1917. 100′ : 1″.
Accompanying report No. 217, vol. 2.
25¢. *Cat. No. M32-441*

442.—**Iron Crown claim,** Nimpkish river, Vancouver Island, B.C.; **magnetometric map,** by E. Lindeman. 1917. 100′ : 1″.
Accompanying report No. 217, vol. 2.
25¢. *Cat. No. M32-442*

443.—**Bristol mine,** Pontiac county, Quebec; **magnetometric map,** by E. Lindeman. 1917. 200′ : 1″.
Accompanying report No. 217, Vol. 1.
25¢. *Cat. No. M32-443*

444.—**Northeast Arm Iron range,** lots Nos. E.T.W. 340, W.D. 341, W.D. 342, W.D. 343, and W.D. 351, Lake Timagami, Nipissing district, Ontario; **magnetometric map,** by E. Lindeman. 1917. 200′ : 1″.
Accompanying report No. 217, vol. 2.
25¢. *Cat. No. M32-444*

445.—**Dominion of Canada and Newfoundland; map showing iron ore occurrences and blast furnaces,** by E. Lindeman and L. L. Bolton, 1917. 100m : 1″.
Accompanying report No. 217, Vol. 1 and 217, Vol. 2.
25¢. *Cat. No. M32-445*

446.—**Radenhurst and Caldwell mines,** Lanark county, Ont.; **magnetometric map,** by A. H. A. Robinson. 1917. 200′ : 1″.
Accompanying report No. 217, vol. 2.
25¢. *Cat. No. M32-446*

447.—**The value of peat fuel for the generation of steam,** by John Blizard. 1917. 42p. 1 pl., 5 figs., 6 charts, tables. (Bulletin No. 17.)
10¢. *Cat. No. M32-447*

448.—Not published.

Reports and maps—Rapports.—*Continued—Suite.*

449.—**Preliminary report of the mineral production of Canada during the calendar year 1916,** by John McLeish. 1917. 25p. Tables.

Part of report No. 454.

Out of print.

Cat. No. M32-449

450.—Not published.

451.—Not published.

452.—**Report on the building and ornamental stones of Canada; Vol. V: British Columbia,** by W. A. Parks. 1917. 236p. 47 pls., 3 figs., tables.

See also reports No. 100, 203, 279 and 388.

50¢.

Cat. No. M32-452

453.—Not published.

454.—**Summary report of the Mines Branch of the Department of Mines for the calendar year ending December 31, 1916.** 1917. 183p. 14 pls., 10 figs., tables. (Sess. paper No. 26a-1917.)

Contents.—*Director's general report, by Eugene Haanel.*—***Individual reports:***—*Metalliferous Division; (1) Iron ores, by A. H. A. Robinson;*—*Non-metalliferous Division: (1)) Separation of lime from Grenville magnesite, by Howells Fréchette; (2) Phosphate in the Rocky Mountains, and graphite near Cranbrook, B.C., by H. S. de Schmid; (3) Sands and sandstones of Canada; and (4) Occurrence and testing foundry moulding sands (see report No. 476), by L. H. Cole; (5) Bituminous sands of northern Alberta, by S. C. Ells; (6) Building and ornamental stones of British Columbia, by W. A. Parks;—Fuels and Fuel Testing Division: (1) Work at the Fuel Testing Station, by B. F. Haanel; (2) Chemical laboratories, by E. Stansfield; (3) Specifications for the purchase of oil, by E. Stansfield and Victor F. Murray; (4) The Hoffman potash test, by J. H. H. Nicolls; (5) Errors caused by the erosion of an iron ball mill, by R. C. Cantelo; (6) Oil-burette for fractional distillation and specific gravity determination; (7) Nitrogen distillation apparatus, by Victor F. Murray; (8) Investigation of peat bogs, by A. Anrep; Mechanical work done at Fuel Testing Station, by A. W. Mantle;—Ore Dressing and Metallurgical Division: (1) Progress report, by G. C. Mackenzie; (2) Chemical laboratory, by H. C. Mabee;—Ceramic Division: (1) Clay and clay resources; (2) Apatite: a substitute for bone ash in the manufacture of bone china; (3) Refractory materials in Canada; (4) Tests on clays and shales from Pembina mountains in southern Manitoba, by Joseph Keele; (5) Clay investigation in southern Saskatchewan, by N. B. Davis;—Chemical laboratory of the Division of Chemistry, by F. G. Wait;*—*Division of Mineral Resources and Statistics: (1) Mineral resources and statistics, by John McLeish; (2) Field work, by A. Buisson.*—***Appendix:*** *Preliminary report on the mineral production (see report No. 449).*

Voir le rapport nº 455 pour l'édition française.

25¢.

Cat. No. M32-454

455.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'année civile terminée le 31 décembre 1916.** 1918. 188p. 14 planches, 10 figures, tableaux. (Doc. parl. nº 26a-1917.)

Sommaire.—***Rapport du directeur général,*** *par Eugène Haanel.*—***Rapports individuels:***—*Section des mines métalliques: (1) Les minerais de fer, par A. H. A. Robinson;*—*Section des mines non-métallifères: (1) Séparation de la chaux d'avec la magnésite de Grenville, par Howells Fréchette; (2) Phosphate dans les montagnes Rocheuses, et graphite près de Cranbrook, C.-B., par H. S. de Schmid; (3) Sables et grès du Canada; (4) Gisements et essais des sables de moulage pour fonderies, par L. H. Cole; (5) Sables bitumineux du nord de l'Alberta, par S. C. Ells; (6) Pierres*

Reports and maps—Rapports.—*Continued—Suite.*

455.—**Rapport sommaire, 1916.**—*Suite.*

*de construction et d'ornement du Canada, par W. A. Parks;—Section des combustibles: (1) Travaux à la station des combustibles, par H. F. Haanel; (2) Laboratoire de chimie, par E. Stansfield; (3) Cahier des charges pour l'achat des huiles, par E. Stansfield et V. Murray; (4) L'essai à la potasse, de Hoffman, par J. H. H. Nicolls; (5) Erreurs causées par l'érosion d'un broyeur à boulets de fer, par R. C. Cantelo; (6) Burette à l'huile pour la distillation fractionnée et la détermination du poids spécifique; (7) Appareil pour la distillation de l'azote, par Victor F. Murray; (8) Enquêtes sur les tourbières, par A. Anrep;—Section de la préparation mécanique et de la métallurgie: (1) Rapport des opérations, par G. C. Mackenzie; (2) Laboratoire de chimie, par H. G. Mabee; —Section de la céramique: (1) Enquête sur l'argile et les ressources en argile; (2) Apatite comme succédané de la cendre d'os dans la fabrication de la porcelaine; (3) Matières réfractaires au Canada; (4) Essais d'argiles et de schistes des monts Pembina dans le Manitoba méridional, par Joseph Keele; (5) Argile dans le Saskatchewan méridional, par N. B. Davis;—Rapport sur les travaux du laboratoire de chimie, par F. G. Wait;—Section des ressources minières et de la statistique: (1) Ressources minières et statistiques, par John McLeish; (2) Travail sur le terrain, par A. Buisson.—**Appendice:** Rapport préliminaire sur la production minière du Canada, 1916, par John McLeish.*

See report No. 454 for English edition.

Édition épuisée. ***N° de cat. M32-455F***

456.—Not published.

457.—Not published.

458.—**The production of iron and steel in Canada during the calendar year 1916,** by John McLeish. 1917. 50p. Tables.

Advance chapter of report No. 474.

Out of print. ***Cat. No. M32-458***

459.—**Moose Creek peat bog,** Prescott, Russell and Stormont counties, Ontario; **map,** by A. Anrep. 1918. 3800′ : 1″.

25¢. ***Cat. No. M32-459***

460.—**Westmeath peat bog,** Renfrew county, Ont.; **map,** by A. Anrep. 1917. 3100′ : 1″.

25¢. ***Cat. No. M32-460***

461.—**Meath peat bog,** Renfrew county, Ont.; **map,** by A. Anrep. 1918. 2700′ : 1″.

25¢. ***Cat. No. M32-461***

462.—**Farnham peat bog,** Missisquoi and Iberville counties, Que.; **map,** by A. Anrep. 1917. 5000′ : 1″.

25¢. ***Cat. No. M32-462***

463.—**Canrobert peat bog,** Rouville county, Que.; **map,** by A. Anrep. 1921. 3500′ : 1″.

25¢. ***Cat. No. M32-463***

464.—**Napierville peat bog,** Napierville county, Que.; **map,** by A. Anrep. 1918. 4000′ : 1″.

25¢. ***Cat. No. M32-464***

465.—**The production of coal and coke in Canada during the calendar year 1916,** by John McLeish. 1917. 46p. Tables.

Advance chapter of report No. 474.

Out of print. ***Cat. No. M32-465***

Reports and maps—Rapports.—*Continued—Suite.*

466.—**Test of some Canadian sandstones to determine their suitability as pulpstones,** by L. Heber Cole. 1917. 17p. 6 pls., 4 figs., tables. (Bulletin No. 19.)
15¢.
Cat. No. M32-466

467.—Not published.

468.—**Report on the clay resources of southern Saskatchewan,** by N. B. Davis. 1918. 93p. 21 pls., 1 fig., 2 maps.
See maps No. 468A and 469.
Out of print.
Cat. No. M32-468

468A.—**Southern Saskatchewan; geological map,** by N. B. Davis. 1917. 35m : 1".
Accompanying report No. 468.
25¢
Cat. No. M32-468A

469.—**Cypress Hills,** Southern Saskatchewan; **map,** showing outcrops of the Whitemud clays, near Eastend, by N. B. Davis. 1917. 1½m : 1".
Accompanying report No. 468.
25¢.
Cat. No. M32-469

470.—**The production of cement, lime, clay products, stone, and other structural materials in Canada during the calendar year 1916.** 1917. 61p. Tables.
Advance chapter of report No. 474.
Out of print.
Cat. No. M32-470

471.—**The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada during the calendar year 1916.** 1917. 76p. Tables.
Advance chapter of report No. 474.
Out of print.
Cat. No. M32-471

472.—**Mineral springs of Canada; Part II: The chemical character of some Canadian mineral springs,** by R. T. Elworthy. 1918. 173p. 10 pls., 2 figs. (Bulletin No. 20.)
See also report No. 435.
Out of print.
Cat. No. M32-472

473.—Not published.

474.—**Annual report on the mineral production of Canada during the calendar year 1916,** by John McLeish. 1918. 343p. Tables.
Voir le rapport nº 475 pour l'édition française. See separates No. 458, 465, 470, and 471.
Out of print.
Cat. No. M32-474

475.—**Rapport annuel de la production minérale au Canada durant l'année 1916,** par John McLeish. 1918. 335p. Tableaux.
See report No. 474 for English edition.
Édition épuisée.
Nº de cat. M32-475F

476.—**Occurrence and testing of foundry moulding sands,** by L. Heber Cole. 1917. 17p. 3 pls., 2 figs., tables. (Bulletin No. 21.)
Reprinted from report No. 454.
Out of print.
Cat. No. M32-476

477.—**Peat bogs investigated in Ontario; index map,** by A. Anrep. 1918. 35m : 1".
Out of print.
Cat. No. M32-477

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Reports and maps—Rapports.—*Continued—Suite.*

478.—**Preliminary report on the mineral production of Canada during the calendar year 1917,** by John McLeish. 1918. 20p. Tables.
Out of print. *Cat. No. M32-478*

479.—**Analyses of Canadian fuels. Part I: Maritime Provinces,** by Edgar Stansfield and J. H. H. Nicolls. 1918. 28p. Tables. (Bulletin No. 22.)
Out of print. *Cat. No. M32-479*

480.—**Analyses of Canadian fuels. Part II: Quebec and Ontario,** by Edgar Stansfield and J. H. H. Nicolls. 1918. 25p. Tables. (Bulletin No. 23.)
15¢. *Cat. No. M32-480*

481.—**Analyses of Canadian fuels. Part III: Manitoba and Saskatchewan,** by Edgar Stansfield and J. H. H. Nicolls. 1918. 15p. Tables. (Bulletin No. 24.)
Out of print. *Cat. No. M32-481*

482.—**Analyses of Canadian fuels. Part IV: Alberta and Northwest Territories,** by Edgar Stansfield and J. H. H. Nicolls. 2nd edition. 1922. 77p. Tables. (Bulletin No. 25. First edition, 1918, Second edition, 1921.)
15¢. *Cat. No. M32-482*

483.—**Analyses of Canadian fuels. Part V: British Columbia and Yukon Territory,** by Edgar Stansfield and J. H. H. Nicolls. 1918. 24p. Tables. (Bulletin No. 26.)
15¢. *Cat. No. M32-483*

484.—**Peat bogs investigated in Quebec; index map,** by A. Anrep. 1918. 35m : 1″.
Out of print. *Cat. No. M32-484*

485.—**Girard peat bog,** St. Johns and Napierville counties, Quebec; **map,** by A. Anrep. 1918. 3700′ : 1″.
Out of print. *Cat. No. M32-485*

486.—**Pont Rouge peat bog,** Portneuf county, Quebec; **map,** by A. Anrep. 1918. 500′ : 1″.
Out of print. *Cat. No. M32-486*

487.—**Peat bogs investigated in New Brunswick; index map,** by A. Anrep. 1918. 35m : 1″.
Out of print. *Cat. No. M32-487*

488.—**St. Stephen peat bog,** Charlotte county, N.B.; **map,** by A. Anrep. 1918. 800′ : 1″.
Out of print. *Cat. No. M32-488*

489.—**Hyman peat bog,** New Brunswick; **map,** by A. Anrep. 1918. 500′ : 1″.
Out of print. *Cat. No. M32-489*

490.—**Seely Cove peat bog,** Charlotte county, N.B.; **map,** by A. Anrep. 1918. 1000′ : 1″.
Out of print. *Cat. No. M32-490*

491.—**Pocologan peat bog,** Charlotte county, N.B.; **map,** by A. Anrep. 1918. 1180′ : 1″.
Out of print. *Cat. No. M32-491*

Reports and maps—Rapports.—*Continued—Suite.*

492.—**Musquash peat bog,** St. John county, N.B.; **map,** by A. Anrep. 1918. 1780′ : 1″.

Out of print.

Cat. No. M32-492

493.—**Summary report of the Mines Branch of the Department of Mines for the calendar year ending December 31, 1917.** 1918. 153p. 4 figs., tables. (Sess. paper No. 26a-1918.)

Contents.—*Director's general report, by Eugene Haanel.—Individual summary reports:—Metalliferous Mines Division: (1) Iron ores in Rainy River district, by A. H. A. Robinson;—Non-metalliferous Mines Division: (1) Limestones of Ontario, by Howells Fréchette; (2) The Canadian graphite industry, by H. S. Spence; (3) Investigation of certain sand and sandstone deposits, by L. H. Cole;—Fuels and Fuel Testing Division: (1) Work at the Fuel Testing Station, by B. F. Haanel; (2) Chemical laboratories, by E. Stansfield; (3) Investigation of peat bogs, by A. Anrep;—Ore Dressing and Metallurgical Division: (1) Progress report, by G. C. Mackenzie; (2) Ores tested and reports thereon, by W. B. Timm and C. S. Parsons; (3) Chemical laboratory, by H. C. Mabee;—Ceramic Division: (1) Investigation of clay and shale resources; (2) Pottery clays; (3) Magnesite; (4) Silica, by J. Keele;—Road Materials Division: (1) Tests of samples of bedrock; (2) Road Materials Laboratories; (3) Investigational work on the sampling and testing of bedrock; (4) Sampling and testing of fieldstone; (5) Special tests of bedrock collected from the quarries in Montreal, by K. A. Clark;—Work of Division of Chemistry, by F. G. Wait;—Report of Division of Mineral Resources and Statistics, by John McLeish.*

Voir le rapport nº 494 pour l'édition française.

Out of print.

Cat. No. M32-493

494.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'année civile terminée le 31 décembre 1917.** 1919. 157p. 4 figures, tableaux. (Doc. parl. nº 26a-1918.)

Sommaire.—*Rapport du directeur général, par E. Haanel.—Rapports sommaires individuels:—Section des mines métallifères: (1) Minerais de fer du district de Rainy River, par A. H. A. Robinson;—Section des mines non-métallifères: (1) Calcaires de l'Ontario, par Howells Fréchette; (2) L'industire du graphite au Canada, par H. S. Spence; (3) Recherches sur certains gisements de sables et grès, par L. H. Cole;—Section des combustibles: (1) Travaux à la station d'essai des combustibles, par B. F. Haanel; (2) Laboratoire de chimie, par E. Stansfield; (3) Recherches sur les tourbières, par A. Anrep;—Section de préparation du minerai et de métallurgie: (1) Rapport des opérations, par G. C. Mackenzie; (2) Minerais essayés et rapports sur les essais, par W. B. Timm et C. S. Parsons; (3) Laboratoire de chimie, par H. C. Mabee;—Section de la céramique: (1) Ressources en argiles et schistes; (2) Argiles à poterie; (3) Magnésite; (4) Silice, par J. Keele;—Section des matériaux de voirie: (1) Essais d'échantillons de roche massive; (2) Laboratoires de matériaux de voirie; (3) Travaux de recherches sur l'échantillonnage et l'essai de roche massive; (4) Échantillonnage et essai de pierre des champs; (5) Essais de roche massive provenant des carrières de la ville de Montréal, par K. A. Clark;—Travaux de laboratoire de la Section de la chimie, par F. G. Wait;—Rapport sur les travaux de la Section des ressources minérales et des statistiques, par J. McLeish.*

See report No. 493 for English edition.

Édition épuisée.

Nº de cat. M32-494F

495.—Not published.

496.—**Results of forty-one steaming tests conducted at the Fuel Testing Station, Ottawa,** by John Blizard and E. S. Malloch. 1920. 83p. 11 figs., 41 charts, tables. (Bulletin No. 27.)

Cat. No. M32-496

15¢

93372—6½

Reports and maps—Rapports.—*Continued—Suite.*

497.—**The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada during the calendar year 1917.** 1919. 71p. Tables.
Advance chapter of report No. 504.
Out of print. ***Cat. No. M32-497***

498.—**The production of iron and steel in Canada during the calendar year 1917,** by John McLeish. 1919. 32p. Tables.
Advance chapter of report No. 504.
Out of print. ***Cat. No. M32-498***

499.—**General summary of the mineral production of Canada during the calendar year 1917,** by John McLeish. 1919. 27p. Tables.
Advance chapter of report No. 504.
10¢. ***Cat. No. M32-499***

500.—**The production of cement, lime, clay products, stone, and other structural materials in Canada during the calendar year 1917.** 1919. 44p. Tables.
Advance chapter of report No. 504.
Out of print. ***Cat. No. M32-500***

501.—**The production of coal and coke in Canada during the calendar year 1917,** by John McLeish. 1919. 39p. Tables.
Advance chapter of report No. 504.
Out of print. ***Cat. No. M32-501***

502.—**The economic use of coal for steam-raising and house heating,** by John Blizard. 1919. 21p. (Bulletin No. 28.)
Out of print. ***Cat. No. M32-502***

503.—Not published.

504.—**Annual report on the mineral production of Canada during the calendar year 1917,** by John McLeish. 1919. 258p. Tables.
Voir le rapport nº 505 pour l'édition française. See separates No. 497, 498, 499, 500 and 501.
Out of print. ***Cat. No. M32-504***

505.—**Rapport annuel de la production minérale du Canada durant l'année civile 1917,** par John McLeish. 1919. 260p. Tableaux.
See report No. 504 for English edition.
Édition épuisée. ***Nº de cat. M32-505F***

506.—**Preliminary report on the mineral production of Canada during the calendar year 1918,** by John McLeish. 1919. 24p. Tables.
Out of print. ***Cat. No. M32-506***

507.—**Potash recovery at cement plants,** by Alfred W. G. Wilson. 1919. 34p. 10 pls., tables. (Bulletin No. 29.)
Out of print. ***Cat. No. M32-507***

508.—Not published.

Reports and maps—Rapports.—*Continued—Suite.*

509.—**Summary report of the Mines Branch of the Department of Mines for the calendar year ending December 31, 1918.** 1920. 225p. 6 figs., 9 diagrams, tables. (Sess. paper No. 26a-1919.)

Contents.—*Director's general report, by Eugene Haanel.—Individual summary reports:—Metalliferous Mines Division: (1) Investigation of pyrites resources, by A. H. A. Robinson;—Non-Metalliferous Mines Division: (1) Limestones of Ontario and Quebec, by Howells Fréchette; (2) Graphite and the graphite industry; (3) Mica for condenser plates, by H. S. Spence; (4) Silica and moulding sand deposits of eastern Canada; (5) Building stones of Wolfe River district; (6) Discovery of rock salt at Malagash, Nova Scotia, by L. H. Cole;—Fuels and Fuel Testing Division: (1) Work at the Fuel Testing Station; (2) Test of New Brunswick oil shales in the Wallace retort, by B. F. Haanel; (3) Chemical laboratories, by E. Stansfield; (4) Lignite carbonization, by E. Stansfield and R. E. Gilmore; (5) Mechanical work, by A. W. Mantle;—Ore Dressing and Metallurgical Division: (1) Progress report, by G. C. Mackenzie; (2) List of ores tested and reports thereon, by W. B. Timm and C. S. Parsons; (3) Work of chemical laboratory, by H. C. Mabee;—Ceramic Division: (1) Clay and shale resources of British Columbia, and of eastern and northern Ontario, by J. Keele;—Road Materials Division: (1) Tests on bedrock, gravel, soil samples, and weathered rock, by K. A. Clark; (2) Alberta bituminous sands for rural roads, by G. C. Parker;—Work of Division of Chemistry, by F. G. Wait;—Report of Division of Mineral Resources and Statistics, by John McLeish.*

Voir le rapport nº 510 pour l'édition française.

Out of print. *Cat. No. M32-509*

510.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'année civile terminée le 31 décembre 1918.** 1920. 235p. 6 figures, 9 diagrammes, tableaux. (Doc. parl. nº 26a-1919.)

Sommaire.—*Rapport du directeur général, par Eugene Haanel.—Rapports sommaires individuels:—Section des mines métallifères: (1) Recherches sur les ressources de pyrites, par A. H. A. Robinson;—Section des mines non-métallifères: (1) Calcaires des provinces d'Ontario et de Québec, par Howells Fréchette; (2) Graphite et l'industrie du graphite; (3) Mica pour plaques de condensateurs, par H. S. Spence; (4) Gisements de silice et de sable de moulage de l'est du Canada; (5) Pierre de construction dans le district de Wolfe River; (6) Découverte de sel gemme à Malagash, Nouvelle-Écosse, par L. H. Cole;—Section des combustibles: (1) Travaux de la section; (2) Essai exécuté sur les schistes bitumineux du Nouveau-Brunswick au moyen de la cornue Wallace, par B. F. Haanel; (3) Laboratoires de chimie de la station d'essai, par E. Stansfield; (4) Carbonisation du lignite, par E. Stansfield et R. E. Gilmore; (5) Rapport des travaux mécaniques, par A. W. Mantle;—Section de préparation mécanique et de métallurgie: (1) Rapport des opérations, par G. C. Mackenzie; (2) Minerais essayés et rapports à leur sujet, par W. B. Timm and C. S. Parsons; (3) Rapport du laboratoire de chimie, par H. C. Mabee;—Section de la céramique: (1) Ressources en argile et schistes de la Colombie-Britannique, de l'est et du nord de l'Ontario, par J. Keele;—Section des matériaux de voirie: (1) Essais de roches de fond, de graviers, d'échantillons de sols et de roche altérées, par K. A. Clark; (2) Sables bitumineux de l'Alberta pour les routes rurales, par G. C. Parker;—Rapport sur les travaux de laboratoire de la Section de la chimie, par F. G. Wait;—Rapport sur les travaux de la Section des ressources minérales et des statistiques, par J. McLeish.*

See report No. 509 for English edition.

Édition épuisée. *Nº de cat. M32-510F*

511.—**Graphite,** by Hugh S. Spence. 1920. 202p. 56 pls., 43 figs., tables, 6 maps.

Voir le rapport nº 512 pour l'édition française. See maps No. 513, 514, 515, 516, 517, and 518.

Out of print. *Cat. No. M32-511*

Reports and maps—Rapports.—*Continued—Suite.*

512.—**Le graphite,** par Hugh S. Spence. 1921. 212p. 56 planches, 43 figures, tableaux, 6 cartes.
See report No. 511 for English edition.
Édition épuisée. *N° de cat. M32-512F*

513.—**Graphite occurrences in Bedford, Loughborough, Burgess, and Elmsley townships, Ontario; index map,** by H. S. Spence. 1919. 3.95m : 1".
Accompanying report No. 511.
Out of print. *Cat. No. M32-513*

514.—**Graphite occurrences in Monmouth, Cardiff, Monteagle, and Dungannon townships, Ontario; index map,** by H. S. Spence. 1919. 3.95m : 1".
Accompanying report No. 511.
Out of print. *Cat. No. M32-514*

515.—**Graphite occurrences in Brougham and Blithfield townships, Ontario; index map,** by H. S. Spence. 1919. 3.95m : 1".
Accompanying report No. 511.
Out of print. *Cat. No. M32-515*

516.—**Graphite occurrences in Grenville and Wentworth townships, Quebec; index map,** by H. S. Spence. 1919. 3.95m : 1".
Accompanying report No. 511.
Out of print. *Cat. No. M32-516*

517.—**Graphite occurrences in Amherst township, Quebec; index map,** by H. S. Spence. 1919. 3.95m : 1".
Accompanying report No. 511.
Out of print. *Cat. No. M32-517*

518.—**Graphite occurrences in Buckingham, and Lochaber townships, Quebec; index map,** by H. S. Spence. 1919. 3.95m : 1".
Accompanying report No. 511.
Out of print. *Cat. No. M32-518*

519.—**Smelter treatment rates.**. Report of the Committee of Investigation in the matter of tolls charged by the Consolidated Mining & Smelting Company of Canada, Limited, at Trail, British Columbia, June, 1919, by Samuel S. Fowler, Chairman. 1919. 45p. 8 figs., tables. (Bulletin No. 30.)
Appendix: *Schedule "C": Lead ores, 1919.*
25¢. *Cat. No. M32-519*

520.—**Annual report on the mineral production of Canada during the calendar year 1918,** by John McLeish. 1919. 80p. Tables.
Voir le rapport n° 521 pour l'édition française.
Out of print. *Cat. No. M32-520*

521.—**Rapport annuel de la production minérale du Canada durant l'année civile 1918,** par John McLeish. 1920. 80p. Tableaux.
See report 520 for English edition.
Édition épuisée. *N° de cat. M32-521F*

522.—**Report on some sources of helium in the British Empire,** by J. C. McLennan and others. 1920. 72p. 1 pl., 20 figs., tables, 4 maps. (Bulletin No. 31.)
Appendix: *Gas density balance.*
See maps No. 523, 524, 525, 526.
15¢. *Cat. No. M32-522*

Reports and maps—Rapports.—*Continued—Suite.*

523.—**Gas and oil fields and pipe lines in southwestern Ontario; map,** by J. C. McLennan. 1919. 19m : 1".
Accompanying report No. 522.
25¢. *Cat. No. M32-523*

524.—**Petroleum, natural gas and bituminous sands in Western Canada (occurrences); map,** by J. C. McLennan. 1919. 200m : 1".
Accompanying report No. 522.
25¢. *Cat. No. M32-524*

525.—**Main gas line, Bow island—Calgary, Alberta; map,** by J. C. McLennan. 1919. 12½m : 1".
Accompanying report No. 522.
25¢. *Cat. No. M32-525*

526.—**Natural gas wells in British Columbia; index map,** by J. C. McLennan. 35m : 1".
Accompanying report No. 522.
25¢. *Cat. No. M32-526*

527.—**The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada during the calendar year 1918,** by John McLeish. 1919. 74p. Tables.
Out of print. *Cat. No. M32-527*

528.—**The production of coal and coke in Canada during the calendar year 1918,** by John McLeish. 1919. 40p. Tables.
Out of print. *Cat. No. M32-528*

529.—**The production of iron and steel in Canada during the calendar year 1918,** by John McLeish. 1920. 36p. Tables.
Out of print. *Cat. No. M32-529*

530.—**Report on road materials along the St. Lawrence river,** from the Quebec boundary line to Cardinal, Ontario, by R. H. Picher. 1920. 65p. 6 pls., tables, 1 map. (Bulletin No. 32.)
Appendice: *(1) Rock outcrops.—(2) Character of boulder deposits of field stone.—(3) Character of gravel deposits.—(4) Commercial development of gravel deposits.*
See map No. 532.
25¢. *Cat. No. M32-530*

531.—Not published.

532.—**Deposits of stone and gravel available for highway construction between Cardinal, Ontario, and the Quebec boundary; index map,** by R. H. Picher. 1920. 2m : 1".
Accompanying report No. 530.
25¢. *Cat. No. M32-532*

533.—**Preliminary report of the mineral production of Canada during the calendar year 1919,** by John McLeish. 1920. 24p. Tables.
Out of print. *Cat. No. M32-533*

534.—Not published.

535.—Not published.

536.—Not published.

537.—Not published.

Reports and maps—Rapports.—*Continued—Suite.*

538.—Not published.

539.—Not published.

540.—Not published.

541.—Not published.

542.—**Summary report of the Mines Branch of the Department of Mines for the calendar year ending December 31, 1919.** 1920. 182p. 2 figs., 5 diagrams, tables. (Sess. Paper No. 26a-1920.)

Contents.—*Director's general report, by Eugene Haanel.*—*Individual summary reports:*—*Metalliferous Mines Division: (1) Progress report, by A. W. G. Wilson; (2) Iron ore deposits in northern Ontario, by A. H. A. Robinson;*—*Non-metalliferous Division: (1) Iron oxide pigments in the province of Quebec, by Howells Fréchette; (2) Investigations of miscellaneous non-metallic minerals, by H. S. Spence;*—*Fuels and Fuel Testing Division: (1) Fuel Testing Station, by B. F. Haanel; (2) Chemical laboratories, by E. Stansfield; (3) Lignite carbonization, by E. Stansfield and others; (4) Peat Committee for year ending December 31, 1919, by B. F. Haanel;*—*Ore Dressing and Metallurgical Division: (1) Progress report, by W. B. Timm; (2) List of ores tested, and detailed particulars of concentration and separation tests, by W. B. Timm and R. K. Carnochan; (3) Chemical laboratory, by H. C. Mabee;*—*Ceramic Division: (1) Residual clays in B.C.; (2) Clays and shales in vicinity of Fort William and Port Arthur; (3) Kaolin in Gatineau valley, by J. Keele; (4) Aluminum and its sources, by R. T. Elworthy; (5) Structural materials in Dundas, Stormont, and Glengarry counties, by J. Keele and L. H. Cole; (6) Potery clays, by M. E. Young;*—*Road Materials Division: (1) Road materials and soil conditions in the area between Winnipeg and Brandon, Manitoba; (2) Road materials in Rocky Mountains Park, Alberta, by K. A. Clark; (3) Road materials investigation in Chateauguay and Beauharnois counties, Quebec, by H. Gauthier.*

Voir le rapport nº 543 pour l'édition française.

Out of print. ***Cat. No. M32-542***

543.—**Rapport sommaire de la Division des mines du ministère des Mines pour l'année civile terminée le 31 décembre 1919.** 1921. 194p. 2 figures, 5 diagrammes, tableaux. (Doc. parl. nº 26a-1920.)

Sommaire.—*Rapport du directeur général, par Eugène Haanel.*—*Rapports sommaires individuels:*—*Section des mines métallifères: (1) Exposé général des travaux, par A. W. G. Wilson; (2) Gisements de minerai de fer dans le nord de l'Ontario, par A. H. A. Robinson;*—*Section des mines non-métalliques: (1) Couleurs d'oxyde de fer dans la province de Québec, par Howells Fréchette; (2) Recherches sur divers minéraux non-métalliques, par H. S. Spence;*—*Section des combustibles: (1) Travaux de la station d'essai des combustibles, par B. F. Haanel; (2) Laboratoires de chimie, par E. Stansfield; (3) Carbonisation du lignite, par E. Stansfield et R. E. Gilmore; (4) Commission de la tourbe pour l'année 1919, par B. F. Haanel;*—*Section de préparation mécanique et de métallurgie; (1) Rapport des opérations, par W. B. Timm; (2) Minerais essayés et rapports s'y rapportant, par W. B. Timm and R. K. Carnochan; (3) Laboratoire de chimie, par H. C. Mabee;*—*Section de la céramique: (1) Argiles détritiques en Colombie-Britannique; (2) Argiles et schistes au voisinage de Fort William et de Port Arthur; (3) Le kaolin dans la vallée de la Gatineau, Québec, par J. Keele; (4) L'aluminium et les sources de ce métal, par R. T. Elworthy; (5) Matériaux de construction dans les comtés de Dundas, Stormont, et Glengary, Ontario, par J. Keele et L. H. Cole; (6) Argiles à poterie, par M. E. Young;*—*Section des matériaux de voirie: (1) Matériaux de voirie et état des terrains dans la région entre Winnipeg et Brandon, Manitoba; (2) Matériaux de voirie dans le Rocky Mountains Park, Alberta, par K. A. Clark; (3) Matériaux de voirie dans les comtés de Châteauguay et de Beauharnois, Québec, par H. Gauthier.*

See report No. 542 for English edition.

Édition épuisée. ***Nº de cat. M32-543F***

Reports and maps—Rapports.—*Continued—Suite.*

544.—**The production of iron and steel in Canada during the calendar year 1919,** by John McLeish. 1920. 45p. Tables.
Out of print. *Cat. No. M32-544*

545.—**Annual report on the mineral production of Canada during the calendar year 1919,** by John McLeish. 1920. 82p. Tables.
Voir le rapport nº 546 pour l'édition française.
Out of print. *Cat. No. M32-545*

546.—**Rapport annuel de la production minérale du Canada durant l'année civile 1919,** par John McLeish. 1921. 82p. Tableaux.
See report No. 545 for English edition.
Édition épuisée. *Nº de cat. M32-546F*

547.—**The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada during the calendar year 1919,** by John McLeish. 1921. 76p. Tables.
Out of print. *Cat. No. M32-547*

548.—**The production of coal and coke in Canada during the calendar year 1919,** by John McLeish. 1921. 39p. Tables.
10¢. *Cat. No. M32-548*

549.—**Report on structural materials along the St. Lawrence river between Prescott, Ontario, and Lachine, Quebec,** by Joseph Keele and L. Heber Cole. 1922. 119p. 30 pls., 5 figs., 3 maps.
Appendices.—*"A" Pleistocene and recent fossils of the St. Lawrence valley, from Prescrott to Beauharnois, by E. J. Whittaker.—"B" Ordovician fossils from St. Lawrence canal system localities, Ontario and Quebec, collected by L. H. Cole and J. Keele, identified by Alice E. Wilson.*
Voir le rapport nº 550 pour l'édition française. See maps No. 551, 552, and 553.
25¢. *Cat. No. M32-549*

550.—**Rapport sur les matériaux de construction le long du fleuve St-Laurent, entre Prescott, Ont., et Lachine, Qué.,** par Joseph Keele et L. Heber Cole. 1924. 135p. 30 planches, 5 figures, 3 cartes.
Appendices.—*"A" Fossiles pleistocènes et récents de la vallée du Saint-Laurent, de Prescott à Beauharnois, par E. J. Whittaker.—"B" Fossiles ordoviciens provenant des localités du système de canalisation du St-Laurent, Ontario et Québec, recueillis par L. H. Cole et J. Keele, identifiés par A. E. Wilson.*
See report No. 549 for English edition.
Édition épuisée. *Nº de cat. M32-550F*

551.—**Morrisburg sheet,** St. Lawrence River section, Ontario; **geological map,** by J. Keele and L. H. Cole. 1922. 1m : 1".
Accompanying report No. 549.
25¢. *Cat. No. M32-551*

552.—**Cornwall sheet,** St. Lawrence River section, Ontario and Quebec; **geological map,** by J. Keele and L. H. Cole. 1922. 1m : 1".
Accompanying report No. 549.
25¢. *Cat. No. M32-552*

553.—**Valleyfield sheet,** St. Lawrence River section, Quebec, **geological map,** by J. Keele and L. H. Cole. 1922. 1m : 1".
Accompanying report No. 549.
25¢. *Cat. No. M32-553*

Reports and maps—Rapports.—*Continued—Suite.*

554.—**Preliminary report on the mineral production of Canada during the calendar year 1920,** by John McLeish. 1921. 24p. Tables.
Out of print. ***Cat. No. M32-554***

555.—**Silica in Canada:** Its occurrence, exploitation, and uses: **Part I: Eastern Canada,** by L. Heber Cole. 1923. 126p. 15 pls., 16 figs., 7 maps.
See maps No. 557, 558, 559, 560, 561, 562, and 563. See also report No. 686.
Out of print. ***Cat. No. M32-555***

556.—Not published.

557.—**Distribution of sandstone in the district of Nelles Corners,** Haldimand county, Ontario; **map,** by L. H. Cole. 1923. 1m : 1".
Accompanying report No. 555.
Out of print. ***Cat. No. M32-557***

558.—**Distribution of sandstone in the district north of the St. Lawrence river,** between Kingston and Brockville, Ontario; **map,** by L. H. Cole. 1923. 3.95m : 1".
Accompanying report No. 555.
Out of print. ***Cat. No. M32-558***

559.—**Distribution of sandstone in the vicinity of Ottawa, Ontario; map,** by L. H. Cole. 1923. 3.95m : 1".
Accompanying report No. 555.
Out of print. ***Cat. No. M32-559***

560.—**Distribution of sandstone in the vicinity of Montreal, Quebec; map,** by L. H. Cole. 1923. 3.95m : 1".
Accompanying report No. 555.
Out of print. ***Cat. No. M32-560***

561.—**Chavigny and Montauban townships, Quebec; sketch map of quartzite deposits,** by L. H. Cole. 1923. ½m : 1".
Accompanying report No. 555.
Out of print. ***Cat. No. M32-561***

562.—**Distribution of quartzite in the Kamouraska district, Quebec; map,** by L. H. Cole. 1923. 7.89m : 1".
Accompanying report No. 555.
Out of print. ***Cat. No. M32-562***

563.—**Pilgrim islands,** River St. Lawrence, near St. André, Kamouraska county, Quebec; **sketch map,** by L. H. Cole. 1923. 2000' : 1".
Accompanying report No. 555.
Out of print. ***Cat. No. M32-563***

564.—**The preparation, transportation, and combustion of powdered coal,** by John Blizard. 1921. 131p. 3 pls., 39 figs., tables.
Appendix.—*Boiler tests with pulverized coal, by Henry Kreisinger and John Blizard.*
75¢. ***Cat. No. M32-564***

565.—**Gas producer trials with Alberta coals,** by John Blizard and E. S. Malloch. 1921. 40p. 1 fig., 18 charts, tables. (Bulletin No. 33.)
No further Mines Branch reports were numbered as bulletins.
Supplementing report No. 331.
25¢. ***Cat. No. M32-565***

Reports and maps—Rapports.—*Continued—Suite.*

566.—**The production of copper, gold, nickel, silver, zinc, and other metals during the calendar year 1920,** by Arthur Buisson. 1921. 76p. Tables.

Out of print. *Cat. No. M32-566*

567.—**The production of coal and coke in Canada during the calendar year 1920,** by John Casey. 1921. 36p. Tables.

Out of print. *Cat. No. M32-567*

568.—**Annual report on the mineral production during the calendar year 1920,** by John McLeish. 1921. 80p. Tables.

Since 1920, reports on the mineral production in Canada have been published by the Mining, Metallurgical and Chemical Branch, Dominion Bureau of Statistics, and applications for these reports should be addressed to the Dominion Statistician, Ottawa, Ont.

Voir le rapport nº 569 pour l'édition française.

Out of print. *Cat. No. M32-568*

569.—**Rapport annuel sur la production minérale du Canada durant l'année civile 1920,** par John McLeish. 1922. 82p. Tableaux.

See report No. 568 for English edition.

Édition épuisée. *Nº de cat. M32-569F*

570.—**Barium and strontium in Canada,** by Hugh S. Spence. 1922. 100p. 15 pls., 18 figs.

50¢. *Cat. No. M32-570*

571.—Not published.

572.—Not published.

573.—**Rapport sommaire des investigations de la Division des mines durant l'année civile se terminant le 31 décembre 1920.** 1923. 92p. 7 figures, tableaux.

See report No. 574 for English edition.

Édition épuisée. *Nº de cat. M32-573F*

574.—**Summary report of investigations made by the Mines Branch during the calendar year ending December 31, 1920.** 1922. 87p. 7 figs.

Voir le rapport nº 573 pour l'édition française. See separates No. 575, 576, 577, and 578.

Out of print. *Cat. No. M32-574*

575.—**Investigations in 1920: Mineral resources and technology.** 1922. Pp. 5-22. Tables, fig.

Contents.—*The development of chemical and metallurgical industries in Canada, by Dr. A. W. G. Wilson.—Titaniferous iron ore deposits in Quebec, Ontario, and Alberta, by A. H. A. Robinson.—Mineral pigments in eastern Canada, by Howells Fréchette.—Barytes, celestite, talc, and bentonite, by H. S. Spence.—Alkali deposits of western Canada, by L. H. Cole.—Bituminous sands of Alberta, by S. C. Ells.*

Separate part of report No. 574.

10¢. *Cat. No. M32-575*

576.—**Investigations in 1920: Ore dressing and metallurgy.** 1922. Pp. 23-38. Tables.

Contents.—*Ores tested, and reports thereon, by W. B. Timm and R. K. Carnochan.*

Separate part of report No. 574.

10¢. *Cat. No. M32-576*

Reports and maps—Rapports.—*Continued—Suite.*

577.—**Investigations in 1920: Fuels and fuel testing.** 1922. Pp. 39-54, Appendix, pp. 76-81.

Contents.—*General review of investigations, by B. F. Haanel.—Carbonization of peat, by E. Stansfield and J. H. H. Nicolls.—Notes on the Hoffman potash test, by J. H. H. Nicolls.—Trent process for purifying coal high in ash; and, Preliminary report on the investigation of the manufacture of peat fuel, by B. F. Haanel.*

Separate part of report No. 574.

25¢. *Cat. No. M32-577*

578.—**Investigations in 1920: Ceramics and road materials.** 1922. Pp. 55-75.

Contents.—*Testing of brick and fireclays from various Provinces: Pottery clays; Clay-working industry—structural materials and clay wares; Field examination and clay testing; Practical instructions as to sampling; Laboratory tests; Testing under working conditions, by Joseph Keele.—Road material survey along the Gananoque—Napanee section of the Toronto-Montreal highway, Ontario; Road materials in Nova Scotia, by H. Gauthier.*

Separate part of report No. 574.

10¢. *Cat. No. M32-578*

579.—**Titanium,** by A. H. A. Robinson. 1922. 127p. 5 figs., tables, 2 maps.

See maps No. 581 and 582.

75¢. *Cat. No. M32-579*

580.—Not published.

581.—**Orton mine and vicinity,** Hastings county, Ontario; **magnetometric map,** by A. H. A. Robinson. 1923. 200′ : 1″.

Accompanying report No. 579.

25¢. *Cat. No. M32-581*

582.—**Seine Bay titaniferous magnetite deposits,** Rainy River District, Ontario; **magnetometric map,** by A. H. A. Robinson. 1923. 400′ : 1″.

Accompanying report No. 579.

25¢. *Cat. No. M32-582*

583.—**Talc and soapstone in Canada,** by Hugh S. Spence. 1922. 85p. 2 pls., 15 figs., tables, 1 map.

See map No. 585.

50¢. *Cat. No. M32-583*

584.—Not published.

585.—**Principal talc and soapstone occurrences in the Eastern townships, Quebec; map,** by H. S. Spence. 1922. 8m : 1″.

Accompanying report No. 583.

25¢. *Cat. No. M32-585*

586.—**Summary report of investigations made by the Mines Branch during the calendar year ending December 31, 1921.** 1923. 346p. 20 pls., 15 figs., 21 diagrams, tables.

See separates No. 588, 589, 590, and 591.

Out of print. *Cat. No. M32-586*

587.—Not published.

Reports and maps—Rapports.—*Continued—Suite.*

588.—**Investigations in 1921: Mineral resources and technology and Chemical Laboratory Research.** 1923. Pp. 7-77. Tables.

Contents.—*Coalmont amber, by Dr. A. W. G. Wilson.—The iron industry, by A. H. A. Robinson.—Iron oxide pigments in Ontario, by Howells Fréchette.—Talc and soapstone, calcite, feldspar, by H. S. Spence.—Alkali deposits of western Canada, by L. H. Cole and F. M. MacNiver.—Cretaceous shales of Manitoba and Saskatchewan; their economic value as a possible source of petroleum;—Oil shales of Canada, by S. C. Ells.—Chemical products from natural gas;—The possibility of producing methanol (methyl alcohol) and formaldehyde from natural gas, by R. T. Elworthy.—Chemical and physical characters of bentonite, by E. A. Thompson and A. Sadler.*
Separate part of report No. 586.
25¢. *Cat. No. M32-588*

589.—**Investigations in 1921: Ore dressing and metallurgy.** 1923. Pp. 78-204. 12 pls., 11 figs., tables.

Contents.—*General review of investigations;—List of ores and metallurgical products on which experimental test and research work was conducted, by W. B. Timm.—Reports of the investigations conducted, R. K. Carnochan, C. S. Parsons, R. J. Traill, and others.—Other test work of the Division;—Additional equipment for the laboratories, by W. B. Timm.—Work and investigations of the Chemical Laboratory, by H. C. Mabee.*
Separate part of report No. 586.
25¢. *Cat. No. M32-589*

590.—**Investigations in 1921: Fuels and fuel testing.** 1923. Pp. 205-252 and 319-338. 8 pls., diagrams, figs., tables.

Contents.—*Lignite carbonization, by J. H. H. Nicolls and Harold Kohl.—Notes on the burning quality of kerosene oils for illuminating purposes;—The lubricating value of cod liver oil, by P. V. Rosewarne.—Preliminary report on the investigation of oil shales, by A. A. Swinnerton.—Preliminary report on the investigation of peat fuel, by B. F. Haanel.*
Separate part of report No. 586.
25¢. *Cat. No. M32-590*

591.—**Investigations in 1921: Ceramics and road materials.** 1923. Pp. 253-318. Tables.

Contents.—*Ceramics.—Outline of work done; Tests of clay from various provinces; Pottery clays; Removing scum from brick; Working stony clays for brick and tile; Method for sampling clay and shale deposits; Clayworking industry; Ball clay in Saskatchewan, by J. Keele. —Road Materials:—Laboratory tests on road building stone and gravel; Investigations of road materials in Prescott and Russell counties, Ont.; Road material surveys in Rocky Mountains Park; Experimental abrasion test on concrete; Results of physical tests upon samples of stone and gravel from Nova Scotia, by H. Gauthier.*
Separate part of report No. 586.
25¢. *Cat. No. M32-591*

592.—**Molybdenum: Metallurgy and uses and the occurrence, mining and concentration of its ores,** by V. L. Eardley-Wilmot. 1925. 292p. 11 pls., 55 figs., 41 tables, 3 maps.
See maps No. 594, 595, and 596.
Out of print. *Cat. No. M32-592*

593.—Not published.

594.—**Molybdenite occurrences in British Columbia; index map,** by V. L. Eardley-Wilmot. 1925. 35m : 1".
Accompanying report No. 592.
Out of print. *Cat. No. M32-594*

Reports and maps—Rapports.—*Continued—Suite.*

595.—**Molybdenite occurrences in Ontario; index map,** by V. L. Eardley-Wilmot. 1925. 35m : 1".
Accompanying report No. 592.
Out of print. *Cat. No. M32-595*

596.—**Molybdenite occurrences in Quebec and Maritime Provinces; index map,** by V. L. Eardley-Wilmot. 1925. 35m : 1".
Accompanying report No. 592.
Out of print. *Cat. No. M32-596*

597.—**Development of chemical, metallurgical, and allied industries in Canada in relation to the mineral industry,** by A. W. G. Wilson. 1924. 329p. 39 tables, 12 diagrams.
This report was also published in two volumes. See reports No. 598 and 599.
$1.75 *Cat. No. M32-597*

598.—**Development of chemical, metallurgical, and allied industries** in Canada in relation to the mineral industry. **Volume 1: Chemical industries,** by A. W. G. Wilson. Pp. 1-175. Tables, diagrams.
Separate part of report No. 597.
$1 *Cat. No. M32-598*

599.—**Development of chemical, metallurgical, and allied industries** in Canada in relation to the mineral industry. **Volume 2: Metallurgical and allied industries,** by A. W. G. Wilson. Pp. 177-311. Tables, diagrams.
Separate part of report No. 597.
75¢. *Cat. No. M32-599*

600.—Not published.

601.—Not published.

602.—Not published.

603.—Not published.

604.—Not published.

605.—**Summary report on Mines Branch investigations during the calendar year ending December 31, 1922.** 1924. 273p. 5 pls., 17 figs., 11 diagrams, tables.
See separates No. 607, 608, 609, and 610.
Out of print. *Cat. No. M32-605*

606.—Not published.

607.—**Investigations in 1922: Mineral resources and technology,** and Chemical Laboratory Research. 1924. Pp. 7-70. Tables, figs., diagrams.

Contents.—*Mineral Resources Division:—Mineral pigments, by Howells Fréchette;—Alkali deposits, western Canada; Volcanic ash near Waldeck, Sask., by L. H. Cole;—Canadian feldspar in 1922; Fluorspar in 1922; Graphite in Canada, 1922; Talc and soapstone in Canada, 1922; Molybdenum situation in Canada, 1922, by V. L. Eardley-Wilmot;—Bituminous sands of northern Alberta, by S. C. Ells.—Chemical Division:—Some Canadian fossil resins; Character of waters leaking into oil and gas wells, by R. T. Elworthy.*
Separate part of report No. 605.
25¢. *Cat. No. M32-607*

Reports and maps—Rapports.—*Continued—Suite.*

608.—**Investigations in 1922: Ore dressing and metallurgy.** 1924. Pp. 71-193. Tables, pls., figs., diagrams.

Contents.—*General review of investigations; List of ores and metallurgical products on which experimental test and research work was conducted, by W. B. Timm.—Reports on the investigations conducted, by R. K. Carnochan and others.—Other test work of the Division; Additional equipment for the laboratories, by W. B. Timm.*

Separate part of report No. 605.

25¢. *Cat. No. M32-608*

609.—**Investigations in 1922: Fuels and fuel testing.** 1924. Pp. 194-225 and 262-266. Tables, figs., diagrams.

Contents.—*Carbonization of peat in commercial hardwood distillation ovens, by R. E. Gilmore and Harold Kohl.—Report on the treatment of oil shale from New Brunswick by the Ryan Oil Digestion process, by A. A. Swinnerton.—Preliminary gasoline survey, by P. V. Rosewarne.—Interim report of the Joint Peat Committee, by B. F. Haanel.*

Separate part of report No. 605.

25¢. *Cat. No. M32-609*

610.—**Investigations in 1922: Ceramics and road materials.** 1924. Pp. 226-261. Tables.

Contents.—*Ceramic materials, by Howells Fréchette.—Investigation of road materials along Hawk Creek-McLeod Meadows section of the Banff-Windermere highway, Rocky Mountains Park; Prospecting for road materials between Massive and Johnson Canyon; Experiments for investigating the test for the crushing strength of rock, by M. Gauthier.—Road materials in Nova Scotia, by R. H. Picher.*

Separate part of report No. 605.

25¢. *Cat. No. M32-610*

611.—**The mineral industries of Canada,** compiled by A. H. A. Robinson. British Empire Exhibition editions: First edition. 1924. 138p. 35 pls., 1 map.—Second edition. 1925. 140p. 35 pls., 1 map.

Voir le rapport nº 612 pour l'édition française. See map No. 613.

Out of print. *Cat. No. M32-611*

612.—**Les industries minérales du Canada,** par A. H. A. Robinson. 1924. 152p. 35 planches, tableaux, carte.

See report No. 611 for English edition.

Édition épuisée. *Nº de cat. M32-612*

613.—**Mineral map of the Dominion of Canada.** British Empire Exhibition editions. (1st) 1924 and (2nd) 1925. 100m : 1".

Accompanying report No. 611.

Out of print. *Cat. No. M32-613*

614.—**Facts about peat,** by B. F. Haanel. 1924. 48p. Tables.

Voir le rapport nº 615 pour l'édition française.

25¢. *Cat. No. M32-614*

615.—**Renseignements sur la tourbe,** par B. F. Haanel. 1924. 48p. Tableaux.

See report No. 614 for English edition.

25¢. *Nº de cat. M32-615F*

616.—**Investigations of mineral resources and the mining industry, 1923.** 1924. 74p. Tables.

Contents.—*Bentonite; and Feldspar, by H. S. Spence.—Bituminous sands of northern Alberta, by S. C. Ells.—Natural abrasive materials in Canada, by V. L. Eardley-Wilmot.—Natural gas in Alberta, by R. T. Elworthy (see report No. 616A).—Sodium and magnesium salts of western Canada, by L. H. Cole.—Zinc-lead mining in British Columbia, by A. H. A. Robinson.—Canadian exposition train in France and Belgium, 1923, by A. Buisson.*

Out of print. *Cat. No. M32-616*

Reports and maps—Rapports.—*Continued—Suite.*

616A.—**Natural gas in Alberta,** by R. T. Elworthy. 1924. 35p. Tables.

Advance section of report No. 616.

10¢. *Cat. No. M32-616A*

617.—**Investigations in ore dressing and metallurgy** (Testing and Research Laboratories), **1923.** 1925. 150p. 3 pls., 11 figs., tables.

Contents.—*(1) General review of investigations and list of ores and metallurgical products on which experimental test and research work was conducted, by W. B. Timm.—(2) Reports on investigations conducted, by C. S. Parsons, R. K. Carnochan, and J. S. Godard.—(3) Reports on the work and investigations of the Chemical Laboratories of the Division, by H. C. Mabee, R. J. Traill, and B. P. Coyne.—(4) Selective flotation as applied to Canadian ores, by S. C. Parsons.—(5) Summary of experimental tests on the beneficiation of Canadian iron ores; (6) Selective flotation of the nickeliferous pyrrhotite ores of Ontario, by W. B. Timm.—(7) Description of ore concentration plants in Canada.*

50¢. *Cat. No. M32-617*

618.—**Investigations of fuels and fuel testing** (Testing and Research Laboratories), **1923.** 1924. 86p. 2 pls., 5 figs., 7 diagrams, tables.

Contents.—*(1) The carbonization of lignite and sub-bituminous coals, by Harold Khol.—(2) Survey of Maritime Provinces coals; (3) A study of the nature of sulphur in coal and coke from the Maritime Provinces, by J. H. H. Nicolls.—(4) Gasoline survey for 1923, by P. V. Rosewarne.—(5) The Hartman oil shale retort, by A. A. Swinnerton.—(6) Report on the Ramage process for oil refining, by R. E. Gilmore and P. V. Rosewarne.*

25¢. *Cat. No. M32-618*

619.—**Investigations in ceramics and road materials** (Testing and Research Laboratories), **1923.** 1925. 75p. 1 pl., tables.

Contents.—*Introductory.*—**Ceramics:** *(1)) Investigation of ceramic industry, by Howells Fréchette; (2) Exhibit for the British Empire Exhibition; (3) Laboratory investigations; (4) Tunnel kilns, by L. P. Collin.*—**Road materials:** *(5) Road materials in Ontario and Quebec, with particular reference to their relative merits, based on a study of their use, by Henri Gauthier; (6) Road materials in Nova Scotia and New Brunswick, by R. H. Picher.*

25¢. *Cat. No. M32-619*

620.—Not published.

621.—Not published.

622.—Not published.

623.—Not published.

624.—**Catalogue of Mines Branch publications.** 14th edition, revised December 1926. 1927. 47p.

Contents.—*Alphabetical guide to catalogue.—Reports.—Memorandum series.—Traductions françaises.—Maps.*

Out of print. *Cat. No. M32-624*

625.—**Bituminous sands of Northern Alberta,** by Sidney C. Ells. 1924. 35p. 6 pls., tables.

See also reports No. 632 and 684.

25¢. *Cat. No. M32-625*

626.—**Bentonite,** by Hugh S. Spence. 1924. 36p. 14 pls., 2 figs.

Out of print. *Cat. No. M32-626*

Reports and maps—Rapports.—*Continued—Suite.*

627.—**The mining laws of Canada**—a digest of Dominion and Provincial laws. 1924. 43p. (British Empire Exhibition edition).
Out of print.
Cat. No. M32-627

628.—**Central and district heating:** possibilities of application in Canada, by F. A. Combe. 1924. 79p. 26 figs., 4 tables. (Dominion Fuel Board No. 3.)
Voir le rapport nº 629 pour l'édition française.
Out of print.
Cat. No. M32-628

629.—**Chauffage central et régional:** possibilité de sa mise en pratique au Canada, par F.-A. Combe. 1925. 82p. 28 figures, 4 tableaux. (Commission fédérale du combustible nº 4.)
See report No. 628 for English edition.
Édition épuisée.
Nº de cat. M32-629F

630.—**Coke as a household fuel in central Canada,** by J. L. Landt. 1925. 140p. 51 pls., 18 figs., 24 tables. (Dominion Fuel Board No. 5.)
Voir le rapport nº 631 pour l'édition française.
Out of print.
Cat. No. M32-630

631.—**Le coke comme combustible de ménage dans le Canada central,** par J. L. Landt. 1926. 149p. 51 planches, 18 figures, 24 tableaux. (Commission fédérale du combustible nº 6.)
See report No. 630 for English edition.
Édition épuisée.
Nº de cat. M32-631

632.—**Bituminous sands of northern Alberta:** occurrence and economic possibilities, report on investigations to the end of 1924, by S. C. Ells. 1926. 244p. 43 pls., 47 figs., 6 tables. In portfolio: 8 maps and 4 sheets showing projected position of bituminous sand.
See maps No. 633, 634, 635, 636, 637, 638, 639, and 640. See also reports No. 625 and 684.
75¢.
Cat. No. M32-632

633.—**Bituminous sands of northern Alberta, sheet No. 1:** Townships 87, 88, and 89; **topographical map,** by S. C. Ells. 1925. ½m : 1".
Accompanying report No. 632.
25¢.
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634.—**Bituminous sands of northern Alberta, sheet No. 2:** Townships 88 and 89; **topographical map,** by S. C. Ells. 1925. ½m : 1".
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637.—**Bituminous sands of northern Alberta, sheet No. 5:** Townships 94 and 95; **topographical map,** by S. C. Ells. 1925. ½m : 1".

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638.—**Bituminous sands of northern Alberta, sheet No. 6:** Townships 96 and 97; **topographical map,** by S. C. Ells. 1925. ½m : 1".

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639.—**Bituminous sands of northern Alberta, sheet No. 7:** Township 98; **topographical map,** by S. C. Ells. 1925. ½m : 1".

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640.—**Bituminous sands of northern Alberta, sheet No. 8:** Townships 99 and 100; **topographical map,** by S. C. Ells. 1925. ½m : 1".

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25¢. *Cat. No. M32-640*

641.—**Peat: its manufacture and uses,** by B. F. Haanel. (Final report of the Peat Committee appointed jointly by the Governments of the Dominion of Canada and the Province of Ontario). 1926. 298p. 58 pls., 46 figs., 28 tables.

Appendices.—*"A" Investigation of drying conditions obtaining during the manufacture of peat fuel at the Alfred peat bog, by H. A. Leverin.—"B" Preliminary report on the relations of the maceration to the drying qualities of peat, by R. E. Gilmore.—"C" Manufacture of carbonized peat at Dumfries, Scotland, report by J. O. Roos of Hjelmsater.*

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Voir le rapport nº 685 pour l'édition française.

Out of print. *Cat. No. M32-642*

643.—**Investigations in ore dressing and metallurgy** (Testing and Research Laboratories, **1924.** 1926. 115p. 6 figs., 7 tables.

Contents.—*(1) General review of investigations, by W. B. Timm.—Reports of investigations: (2) Ore Dressing and Metallurgical Laboratory, by W. B. Timm, C. S. Parsons, R. K. Carnochan, and J. S. Godard; (3) Hydrometallurgical Laboratory, by R. J. Traill and W. R. McClelland; (4) Chemical Laboratory of the Division, by H. C. Mabee.—(5) The concentration of lead-zinc ores of eastern Canada; The concentration of the Lake George antimony ores, by C. S. Parsons.*

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644.—**Investigations of fuels and fuel testing** (Testing and Research Laboratories), **1924.** 1926. 81p. 4 pls., 5 figs., tables.

Contents.—*(1) Coking experiments on coals from the Maritime Provinces, by B. F. Haanel and R. E. Gilmore.—(2) Friability tests on various fuels sold in Canada, by J. H. H. Nicolls.—(3) The effects of exposing Canadian lignite to atmospheres of different humidities, by J. H. H. Nicolls.—(4) The examination of some lubricating oils sold in Canada, by P. V. Rosewarne.—(5) Gasoline survey for 1924, by P. V. Rosewarne and J. McD. Chantler.—(6) Report of carbonization and washing experiments on sub-bituminous coal from Coal Valley, Alberta, by R. A. Strong.—(7) Distillation of oil shale—comparison of laboratory methods, by A. A. Swinnerton.*

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645.—**Investigations in ceramics and road materials** (Testing and Research Laboratories), **1924.** 1925. 45p. Tables.

Contents.—*Introductory.*—**Ceramics:** *(1) Ceramic industry, by Howells Fréchette; (2) Laboratory investigations; (3) Cost of burning brick and tile, by L. P. Collin.*—**Road materials:** *(4) New Brunswick and Nova Scotia, by R. H. Picher.*

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646.—**Sodium sulphate of Western Canada:** occurrence, uses, and technology, by L. Heber Cole. 1926. 160p. 15 pls., 16 figs., 10 tables, 22 maps.

See maps No. 647 to 668 inclusive.

40¢. *Cat. No. M32-646*

647.—**Sodium sulphate occurrences in western provinces of Canada; index map,** by L. H. Cole. 1926. 35m : 1".

Accompanying report No. 646.

25¢. *Cat. No. M32-647*

648.—**Deposit No. 1: Muskiki Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 1926. 4620' : 1".

Accompanying report No. 646.

25¢. *Cat. No. M32-648*

649.—**Deposit No. 2: Frederick Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 1926. 2700" : 1'.

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650.—**Deposit No. 6: Chain Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 1926. 2100' : 1".

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651.—**Deposit No. 7: Snakehole Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 1926. 1650' : 1".

Accompanying report No. 646.

25¢. *Cat. No. M32-651*

652.—**Deposit No. 8: Corral Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 1926. 1950' : 1".

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653.—**Deposit No. 9: Ingebright Lake,** Sask., sodium sulphate deposit No. 1; **map,** by L. H. Cole. 1926. 1950' : 1".

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Reports and maps—Rapports.—*Continued—Suite.*

654.—**Deposit No. 11: Berry Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 1926. 1750′ : 1″.
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25¢. *Cat. No. M32-654*

655.—**Deposit No. 42: Sybouts Lake,** Sask., sodium sulphate deposit No. 1; **map,** by L. H. Cole. 1926. 1650′ : 1″.
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25¢. *Cat. No. M32-655*

656.—**Deposit No. 13: Ceylon Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 1926. 2900′ : 1″.
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25¢. *Cat. No. M32-656*

657.—**Deposit No. 15: Whiteshore Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 1926. 3250′ : 1″.
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25¢. *Cat. No. M32-657*

658.—**Deposit No. 19: Vincent Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 1926. 1600′ : 1″.
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659.—**Deposit No. 28: Regina Beach,** Sask., sodium sulphate deposit No. 1; **map.** by L. H. Cole. 1926. 600′ : 1″.
Accompanying report No. 646.
25¢. *Cat. No. M32-659*

660.—**Deposit No. 29: Regina Beach,** Sask., sodium sulphate deposit No. 2; **map,** by L. H. Cole. 19926. 1050′ : 1″.
Accompanying report No. 646.
25¢. *Cat. No. M32-660*

661.—**Deposit No. 30: Horseshoe Lake,** Horizon, Sask., sodium sulphate deposit; **map,** by L. H. Cole. 1926. 2200′ : 1″.
Accompanying report No. 646.
25¢. *Cat. No. M32-661*

662.—**Deposit No. 35: Boot Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 19926. 2000′ : 1″.
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25¢. *Cat. No. M32-662*

663.—**Deposit No. 37: Grandora Lake,** Sask., sodium sulphate deposit No. 1; **map,** by L. H. Cole. 1926. 1000′ : 1″.
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664.—**Deposit No. 37A: Grandora Lake,** Sask., sodium sulphate deposit No. 2; **map,** by L. H. Cole. 1296. 1900′ : 1″.
Accompanying report No. 646.
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665.—**Deposit No. 12: Sybouts Lake,** Sask., sodium sulphate deposit No. 2; **map,** by L. H. Cole. 1926. 2400′ : 1″.
Accompanying report No. 646.
25¢. *Cat. No. M32-665*

Reports and maps—Rapports.—*Continued—Suite.*

666.—**Deposit No. 48: Alsask Lake,** Sask., sodium sulphate deposit; **map,** by L. H. Cole. 19926. 1680′ : 1″.
Accompanying report No. 646.
25¢. *Cat. No. M32-666*

667.—**Deposit No. 69: Metiskow Lake,** Alberta, sodium sulphate deposit; **map,** by L. H. Cole. 1926. 2050′ : 1″.
Accompanying report No. 646.
25¢. *Cat. No. M32-667*

668.—**Deposit No. 82: Ingebright Lake,** Sask., sodium sulphate deposit No. 2; **map,** by L. H. Cole. 1926. 1400′ : 1″.
Accompanying report No. 646.
25¢. *Cat. No. M32-668*

669.—**Investigations of mineral resources and the mining industry, 1925.** 1926. 84p.

Contents.—*(1) Hot springs in western Canada—their radioactive and chemical properties; (2) Natural gas in New Brunswick, by R. T. Elworthy.—(3) The building and ornamental stone trade in Great Britain, by W. A. Parks.—(4) Notes on zinc and lead in eastern Canada, by A. H. A. Robinson.—(5) Lithium-bearing minerals in Canada, by L. H. Cole and V. L. Eardley-Wilmot.—(6) The present status of the abrasive industry, by V. L. Eardley-Wilmot.*

Out of print. *Cat. No. M32-669*

670.—**Investigations in ore dressing and metallurgy** (Testing and Research Laboratories), **1925.** 1926. 123p. 4 pls., 9 figs., table.

Contents.—*(1) General review of investigations, by W. B. Timm.—Reports of investigations: (2) Ore Dressing and Metallurgical Laboratory, by C. S. Parsons, R. K. Carnochan, and J. S. Godard;—(3) Electrochemical and Hydrometallurgical Laboratory, by R. J. Traill and W. R. McClelland;—(4) Pyrometallurgical Laboratory, by H. C. Mabee and A. E. Smaill.—(5) Report on the work of the Chemical Laboratory, by H. C. Mabee.—(6) The concentration of Canadian flake graphite ores, by C. S. Parsons.—The ores of western Quebec—their character and metallurgical treatment, by W. B. Timm.*

25¢. *Cat. No. M32-670*

671.—**Investigations of fuels and fuel testing** (Testing and Research Laboratories), **1925.** 1927. 184p. 7 pls., 17 figs., 68 tables.

Contents.—*General review of investigations, by B. F. Haanel and R. E. Gilmore.*—**Part I:** *(1) Examination of typical cokes (see separate No. 671-1); (2) Tests of various fuels (see separate No. 671-2); (3) Low temperature carbonization of bituminous coals (see separate No. 671-3); (4) Effects of continued weathering upon the friabilities of various fuels, by J. H. H. Nicolls.—(5) Analyses of solid fuels (see separate No. 671-4).*—**Part II:** *(1) The examination of lubricating oils after use in automobile engines, by P. V. Rosewarne; (2) Gasoline survey for 1925, by P. V. Rosewarne and H. McD. Chantler; (3) Analyses of oils and liquid fuels, by P. V. Rosewarne.*—**Part III:** *(1) Distillation of oil shale with circulation of uncondensed gases, by A. A. Swinnerton.*

50¢. *Cat. No. M32-671*

671-1.—**Examination of typical cokes sold in Canada as household fuels,** by R. E. Gilmore, C. B. Mohr, and others. 1927. 27p. 2 pls., fig., tables.
Separate part of report No. 671.
10¢. *Cat. No. M32-671/1*

Reports and maps—Rapports.—*Continued—Suite.*

671-2.—**Tests of various fuels made in a domestic hot-water boiler** at the Fuel Testing Station in co-operation with the Dominion Fuel Board, by E. S. Malloch and C. E. Baltzer. 1927. 33p. Figs., tables.
Separate part of report No. 671.
10¢. *Cat. No. M32-671/2*

671-3.—**Low-temperature carbonization of bituminous coals,** by R. A. Strong. 1927. 39p. 4 pls., figs., tables.
Separate part of report No. 671.
10¢. *Cat. No. M32-671/3*

671-4.—**Analyses of solid fuels,** by J. H. H. Nicolls. 1927. 34p. Tables.
Separate part of report No. 671.
10¢. *Cat. No. M32-671/4*

672.—**Investigations in ceramics and road materials** (Testing and Research Laboratories), **1925.** 1926. 35p. Tables.
Contents.—*Introductory, by Howells Fréchette.*—**Ceramics:** *(1) Clay-working plants in Quebec, Nova Scotia, and New Brunswick; (2) Andalusite in Nova Scotia; (3) Causes and prevention of scumming and efflorescence, by L. P. Collin; (4) Texture of ceramic materials, by J. F. McMahon.*—**Road materials:** *(5) Eastern Ontario; (6) Gravel and gravel roads, by R. H. Picher.*
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Voir le rapport nº 674 pour l'édition française.
30¢. *Cat. No. M32-673*

674.—**Les abrasifs:** produits du Canada, technologie et applications. **Partie 1: Abrasifs siliceux: grès, quartz, tripoli, ponce et poussière volcanique,** par V. L. Eardley-Wilmot. 1930. 128p. 14 planches, 8 figures, 16 tableaux.
See report No. 673 for English edition.
30¢. *Nº de cat. M32-674F*

675.—**Abrasives:** products of Canada, technology and application. **Part 2: Corundum and diamond,** by V. L. Eardley-Wilmot. 1927. 51p. 5 pls., 6 figs., 4 tables.
Voir le rapport nº 676 pour l'édition française.
25¢ *Cat. No. M32-675*

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677.—**Abrasives:** products of Canada, technology and application. **Part 3: Garnet,** by V. L. Eardley-Wilmot. 1927. 69p. 4 pls., 19 figs., 6 tables.
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Reports and maps—Rapports.—*Continued—Suite.*

678.—**Les abrasifs:** produits du Canada, technologie et applications. **Partie 3: Le grenat,** par V. L. Eardley-Wilmot. 1931. 73p. 4 planches, 19 figures, 6 tableaux.
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679.—**Helium in Canada,** by R. T. Elworthy. 1926. 48p. 2 pls., tables, 2 maps.
See maps No. 680 and 681.
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680.—**Alberta; map showing main gas fields and pipe lines,** by R. T. Elworthy. 1926. 35m : 1".
Accompanying report No. 679.
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681.—**Gas and oil fields and pipe lines in southwestern Ontario; map,** by R. T. Elworthy. 1926. 12m : 1".
Accompanying report No. 679.
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682.—**Preliminary report on the limestones of Quebec and Ontario,** by M. F. Goudge. 1927. 75p. 16 pls., 3 figs., tables.
Voir le rapport nº 683 pour l'édition française.
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683.—**Rapport préliminaire sur les calcaires des provinces de Québec et d'Ontario,** par M.-F. Goudge. 1929. 81p. 16 planches, 3 figures, tableaux.
See report No. 682 for English edition.
Édition épuisée. *Nº de cat. M32-683F*

684.—**Use of Alberta bituminous sands for surfacing of highways,** by S. C. Ells. 1927. 37p. 5 pls., 10 figs., tables.
See also reports No. 625 and 632.
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685.—**Recherches touchant les ressources minérales et l'industrie minière, 1924.** 1927. 72p. Figures, tableaux.

Sommaire.—*Une revue de quinze années de progrès dans la production de minéraux non-métalliques au Canada, par le membres du personnel de la section des Ressources minérales.—Gisements de magnétite titanifère du canton de Bourget, district de Chicoutimi (Québec), par A. H. A. Robinson.—Les terrains aurifères du Québec occidental, par W. B. Timm et A. H. A. Robinson.*
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Appendix.—*Recent developments in the silica industry in Eastern Canada.*
See also report No. 555.
25¢. *Cat. No. M32-686*

687.—**Investigations of mineral resources and the mining industry, 1926.** 1928. 80p. 7 pls., 5 figs., tables.

Contents.—*(1) Flotation reagents, by C. S. Parsons.—(2) Anthraxolite near Sudbury, Ont.; (3) Asbestos in northern Ontario; (4) Feldspar in the Sudbury region, Ont.; (5) Graphite in Ontario and Quebec; (6)*

Reports and maps—Rapports.—*Continued—Suite.*

687.—**Investigations of mineral resources, 1926.**—*Continued.*

Lithium minerals in southeastern Manitoba; (7) The Canadian soapstone industry, by H. S. Spence.—(8) Sodium carbonate at Soap lake, B.C.; (9) Recent developments in the gypsum industry in B.C., by L. H. Cole.—(10) Manitoba as a mining province, by A. H. A. Robinson.—(11) The limestones of Nova Scotia and New Brunswick; and, The limestones of Gaspe peninsula; (12) The limestones of Timiskaming district, Ontario, by M. F. Goudge.—(13) Notes on the quicksilver occurrences in Canada; (14) Notes on the occurrences, metallurgy, and uses of quicksilver, by V. L. Eardley-Wilmot.—(15) Granite paving blocks; (16) The asbestos industry in Canada, by C. H. Freeman.

Out of print. ***Cat. No. M32-687***

688.—**Investigations in ore dressing and metallurgy** (Testing and Research Laboratories), **1926.** 1928. 134p. 5 pls., tables.

Contents.—*(1) General review of investigations, by W. B. Timm.—Reports of investigations: (2) Ore Dressing and Metallurgical Laboratory, by C. S. Parsons, R. K. Carnochan, and J. S. Godard;—(3) Electrochemical and Hydrometallurgical Laboratory, by R. J. Traill and W. R. McClelland.—(4) Report on the work of the Chemical Laboratory, by H. C. Mabee.—(5) Selective flotation as applied to Canadian ores, by C. S. Parsons.*

50¢. ***Cat. No. M32-688***

689.—**Investigations of fuels and fuel testing** (Testing and Research Laboratories), **1926.** 1928. 132p. 7 pls., 16 figs., 41 tables.

Contents.—*Part I: Solid fuels (see report No. 689-1).—Part II: Liquid fuels (see report No. 689-2).*

50¢. ***Cat. No. M32-689***

689-1.—**Investigations of fuels and fuel testing, 1926. Part I: Solid fuels.** 1928. 85p. 3 pls., figs., tables.

Contents.—*General review of investigations, by B. F. Haanel and R. E. Gilmore.—(1) Instructions for burning coal, coke, and peat, by E. S. Malloch and C. E. Baltzer.—(2) Low-temperature carbonization—Continuation of tests on Canadian bituminous coals, by R. A. Strong.—(3) A study of the nature of sulphur in Canadian coal and coke; (4) Air-drying of Canadian lignite and the reabsorption of moisture by the same; (5) Analyses of solid fuels, by J. H. H. Nicolls.*

Separate part of report No. 689.

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689-2.—**Investigations of fuels and fuel testing, 1926. Part II: Liquid fuels.** 1928. Pp. 86-132. 4 pls., figs., tables.

Contents.—*General review of investigations, by B. F. Haanel and R. E. Gilmore.—(1) Gasoline survey for 1926, by P. V. Rosewarne and A. F. Gill.—(2) Report of experiments on the dehydration of bitumen emulsion from Alberta bituminous sands, by P. V. Rosewarne and G. P. Connell.—(3) Oil shale from Rosevale, New Brunswick, by A. A. Swinnerton.—(4) Report on the Pritchard process for the distillation of oil shale, by R. E. Gilmore and A. A. Swinnerton.—(5) Canadian shale oil, and bitumen from bituminous sands, as sources of gasoline by pressure cracking, by R. E. Gilmore, P. V. Rosewarne, and A. A. Swinnerton.*

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690.—**Investigations in ceramics and road materials** (Testing and Research Laboratories), **1926.** 1928. 70p. 1 fig., tables.

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25¢. ***Cat. No. M32-690***

Reports and maps—Rapports.—*Continued—Suite.*

691.—**Diatomite: its occurrence, preparation, and uses,** by V. L. Eardley-Wilmot. 1928. 182p. 15 pls., 31 figs., 17 tables, 1 map.
See map No. 692.
Out of print.
Cat. No. M32-691

692.—**Diatomite deposits in Maritime Provinces; index map,** by V. L. Eardley-Wilmot. 1927. 17m : 1".
Accompanying report No. 691.
Out of print.
Cat. No. M32-692

693.—**Mineral map of Canada.** 1929. Revised in 1933 and renumbered as 702.
See map No. 702.
Out of print.
Cat. No. M32-693

694.—**Investigations of mineral resources and the mining industry. 1927.** 1928. 60p. 11 pls., 7 figs., 8 tables.
Contents.—*Bituminous sands of northern Alberta—experimental drilling and paving operations, by S. C. Ells.*
25¢.
Cat. No. M32-694

695.—**Investigations in ore dressing and metallurgy** (Testing and Research Laboratories), **1927.** 1928. 186p. 6 pls., 1 fig., tables.
Contents.—*(1) General review of investigations, by W. B. Timm.—Reports of investigations: (2) Ore Dressing and Metallurgical Laboratories, by C. S. Parsons, A. K. Anderson, and J. S. Godard;—(3) Non-Metallic Laboratory, by R. K. Carnochan and R. A. Rogers;—(4) Hydrometallurgical Laboratory, by R. J. Traill, W. R. McClelland, and J. D. Johnston.—Report on the treatment of mixed (bulk) concentrates from base metal sulphide ores, by W. R. Harris.—(5)Report on the work and investigations of the Chemical Laboratory, by H. C. Mabee.—(6) Concentration of the ores of western Quebec, by J. S. Godard.—Custom concentrators, by C. S. Parsons and A. K. Anderson.*
50¢.
Cat. No. M32-695

696.—**Investigations of fuels and fuel testing** (Testing and Research Laboratories), **1927.** 1928. 107p. 10 pls., 9 figs., 35 tables.
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696-1.—**Investigations of fuels and fuel testing, 1927. Part I: Solid fuels.** 1929. 70p. 10 pls., figs., tables.
Contents.—*General review of investigations, by B. F. Haanel and R. E. Gilmore.—(1) The use of gas and by-product cokes for domestic heating purposes, by E. S. Malloch and C. E. Baltzer.—(2) Coking tests on coals from western Canada, by R. E. Gilmore and R. A. Strong.—(3) Low-temperature carbonization—continuation of tests on Canadian bituminous coals, by R. A. Strong.—(4)Analyses of solid fuels, compiled by J. H. H. Nicolls.*
Separate part of report No. 696.
Cat. No. M32-696/1
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696-2.—**Investigations of fuels and fuel testing, 1927. Part II: Liquid fuels.** 1929. Pp. 71-103. Figs., tables.
Contents.—*General review of investigations, by B. F. Haanel and R. E. Gilmore.—(1) Gasoline survey for 1927, by P. V. Rosewarne and R. J. Offord.—(2) The assay of bituminous sands, by R. E. Gilmore, A. A. Swinnerton, and G. P. Connell.*
Separate part of report No. 696.
Cat. No. M32-696/2
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93372—7

Reports and maps—Rapports.—*Continued—Suite.*

697.—**Investigations in ceramics and road materials in 1927.** 1929. 80p. Tables.

Contents.—*Introduction by Howells Fréchette.*—**Ceramics:** *(1) Treatment of certain western clays to overcome drying defects, by Howells Fréchette and J. G. Phillips; (2) Preliminary report on clay gathering, by J. F. McMahon;—(3) Clays and shales of the Grand Lake area, N.B., by Howells Fréchette and J. F. McMahon.*—**Road materials:** *(4) In Prince Edward Island; (5) Stone quarries in Quebec; (6) The testing of non-bituminous road materials (see report No. 697-1), by R. H. Picher.*

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697-1.—**The testing of non-bituminous road materials,** by R. H. Picher. 1929. 10p.

Separate part of report No. 697.

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698.—**Industrial fuel and power statistics for Ontario, calendar year 1925,** by E. S. Malloch and C. E. Baltzer. 1928. 23p. 12 figs., tables.

Compiled and published with the approval and co-operation of the Dominion Fuel Board and the Dominion Bureau of Statistics.

10¢. *Cat. No. M32-698*

699.—**Abrasives:** products of Canada, technology and application. **Part IV: Artificial abrasives and manufactured abrasive products and their uses,** by V. L. Eardley-Wilmot. 1929. 144p. 19 pls., 14 figs., 11 tables.

Voir le rapport nº 700 pour l'édition française. See also reports No. 673, 675, and 677.

20¢. *Cat. No. M32-699*

700.—**Les abrasifs:** produits du Canada, technologie et applications. **Partie IV: Abrasifs artificiels, produits abrasifs et usages,** par V. L. Eardley-Wilmot. 1934. 153p. 19 planches, 14 figures, 11 tableaux.

See report No. 699 for English edition. Voir aussi les rapports nº 674, 676 et 678.

Édition épuisée. *Nº de cat. M32-700F*

701.—**Mica,** by H. S. Spence. 1929. 142p. 21 pls., 1 chart, 10 figs., 16 tables, 2 maps.

See maps No. 703 and 704.

Out of print. *Cat. No. M32-701*

702.—**Mineral map of the Dominion of Canada.** Revised in 1933. 100m : 1".

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Out of print. *Cat. No. M32-702*

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Accompanying report No. 701.

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706.—**Comparison of the cost and convenience of house heating with various fuels,** by E. S. Malloch. 1929. 8p. 1 fig., 1 table. (Dominion Fuel Board No. 14.)
10¢.
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707.—**Chrysotile asbestos in Canada,** by James Gordon Ross. 1931. 146p. 34 pls., 8 figs., 6 charts, 21 tables.
Voir le rapport nº 708 pour l'édition française.
Out of print.
Cat. No. M32-707

708.—**Amiante chrysotile au Canada,** par James Gordon Ross. 1934. 162p. 34 planches, 8 figures, 6 graphiques, 21 tableaux.
See report No. 707 for English edition.
Édition épuisée.
Nº de cat. M32-708F

709.—Not published.

710.—**Investigations of mineral resources and the mining industry, 1928.** 1930. 57p. 2 pls., tables.
Contents.—*Preliminary report on the limestones of northern and western Ontario and the Prairie Provinces, by M. F. Goudge.—Potash salts in the Maritime Provinces of Canada, by L. H. Cole.—Core drilling bituminous sands of northern Alberta, by S. C. Ells (see report No. 710-1).—Preliminary report on moulding sands in eastern Canada, by C. H. Freeman.*
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710-1.—**Core drilling bituminous sands of northern Alberta,** by S. C. Ells. 1929. 26p. 4 pls., 1 fig., tables.
Advance section of report No. 710.
25¢
Cat. No. M32-710/1

711.—**Investigations in ore dressing and metallurgy** (Testing and Research Laboratories), **1928.** 1930. 166p. 8 figs., 7 tables.
Contents.—*(1) General review of investigations, by W. B. Timm.—Reports of investigations: (2) Ore Dressing and Metallurgical Laboratories, by C. S. Parsons, A. K. Anderson, and J. S. Godard;—(3) Non-Metallics Laboratory, by R. K. Carnochan, C. S. Parsons, and R. A. Rogers;—(4) Hydrometallurgical Laboratory, by R. J. Traill, W. R. McClelland, and J. D. Johnston.—Report on the treatment of mixed (bulk) concentrates from base metal sulphide ores, by W. E. Harris.—(5) Report on the work and investigations of the Chemical Laboratories, by H. C. Mabee.—(6) The new Pyrometallurgical Laboratory of the Department of Mines, by W. B. Timm and T. W. Hardy.*
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712.—**Investigations of fuels and fuel testing** (Testing and Research Laboratories), **1928.** 1930. 71p. 2 pls., 4 figs., tables.
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25¢.
Cat. No. M32-712

713.—**The Mining Laws of Canada:** a digest of Dominion and Provincial laws affecting mining. Revised edition, by A. Buisson. 1931. 98p.
See also reports No. 627, 795, 828, and 854.
Out of print.
Cat. No. M32-713

93372—7½

Reports and maps—**Rapports.**—*Continued—Suite.*

714.—**The gypsum industry of Canada,** by L. Heber Cole. 1930. 164p. 20 pls., 23 figs., 5 tables, 1 map.
See map No. 715.
Out of print. ***Cat. No. M32-714***

715.—**Gypsum occurrences in Canada; index map,** by L. H. Cole. 1930. 500m : 1".
Accompanying report No. 714.
Out of print. ***Cat. No. M32-715***

716.—**The salt industry of Canada,** by L. Heber Cole. 1930. 116p. 15 pls., 31 figs., 13 tables, 2 maps.
See maps No. 717 and 718.
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717.—**Saline springs and salt areas in Canada; index map,** by L. H. Cole. 1930. 500m : 1".
Accompanying report No. 716.
25¢. ***Cat. No. M32-717***

718.—**Ontario-Michigan salt basin** showing probable limit of productive area; **map,** by L. H. Cole. 1930. 25m : 1".
Accompanying report No. 716.
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719.—**Investigations of mineral resources and the mining industry, 1929.** 1930. 69p. 5 pls., 7 figs., tables.
Contents.—*(1) The Wilberforce radium occurrence, by H. S. Spence and R. K. Carnochan.—(2) Notes on anhydrite, by L. H. Cole and R. A. Rogers.—(3) Bituminous sands of northern Alberta, operations during 1929, by S. C. Ells.—(4) Limestone in industry, by M. F. Goudge.—(5) Preliminary report on limestone of British Columbia, by M. F. Goudge.*
Out of print. ***Cat. No. M32-719***

720.—**Investigations in ore dressing and metallurgy** (Testing and Research Laboratories), **1929.** 1931. 208p. 1 pl., 3 figs., tables.
Contents.—*(1) General review of investigations, by W. B. Timm.—Reports of investigations: (2) Metallic Ores Section, by C. S. Parsons and others; (3) Non-Metallic Minerals Section, by R. K. Carnochan and R. A. Rogers; (4) Hydrometallurgical and Electrochemical Section, by R. J. Traill and others; (5) Iron and Steel Section, by T. W. Hardy; (6) Chemical Laboratories, by H. C. Mabee.*
Out of print. ***Cat. No. M32-720***

721.—**Investigations of fuels and fuel testing** (Testing and Research Laboratories), **1929.** 1932. 131p. 8 pls., 8 figs., 14 tables.
Contents.—*General review of investigations, by B. F. Haanel and R. E. Gilmore.—(1) Report of tests on Sydney coal (see report No. 721-1).—(2) Notes on methods for the laboratory assay of coals for carbonization and for coking properties, by R. E. Gilmore.—(3) Caking indices of typical Canadian coals, by J. H. H. Nicolls.—(4) Analyses of coals and other solid fuels, compiled by J. H. H. Nicolls and C. B. Mohr.—(5) Gasoline survey for 1929 (see report No. 721-2).—(6) The analysis of natural gas from the Turner Valley field (see report No. 721-3).*
25¢. ***Cat. No. M32-721***

721-1.—**Report of tests on Sydney coal in the Illingworth low-temperature carbonization retort,** by R. A. Strong, and E. J. Burrough. 1931. 25p. 3 pls., 3 figs., 4 tables.
Advance section of report No. 721.
10¢. ***Cat. No. M32-721/1***

Reports and maps—Rapports.—*Continued—Suite.*

721-2.—**Gasoline survey for 1929,** by P. V. Rosewarne and H. McD. Chantler. 1931. 22p. 2 pls., 1 fig., 10 tables.

Advance section of report No. 721.

10¢.

Cat. No. M32-721/2

721-3.—**The analysis of natural gas from the Turner Valley field in Alberta,** by P. V. Rosewarne and R. J. Offord. 1931. 20p. 3 pls., 4 figs., 14 tables.

Advance section of report No. 721.

10¢.

Cat. No. M32-721/3

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723.—**Investigations of mineral resources and the mining industry, 1930.** 1931. 82p. 5 pls., 2 figs., 5 tables.

Contents.—*(1) Bituminous sands of northern Alberta (see report No. 723-1).—(2) Possible industrial applications for bentonite (see report No. 723-2).—(3) Petroleum and natural gas in eastern Canada, by E. H. Wait.—Diatomite—a general description of its character and industrial uses, by V. L. Eardley-Wilmot.—The possibilities and prospects for the utilization of Canadian-produced copper in home manufacturing industries, by A. H. A. Robinson and W. H. Losee.*

Out of print. *Cat. No. M32-723*

723-1.—**Bituminous sands of northern Alberta:** operations during 1930, by S. C. Ells. 1931. 11p. 3 pls., 2 figs.

Advance section of report No. 723.

Out of print. *Cat. No. M32-723/1*

723-2.—**Possible industrial applications for bentonite,** by H. S. Spence and Margaret Light. 1931. 24p.

Advance section of report No. 723.

10¢. *Cat. No. M32-723/2*

724.—**Investigations in ore dressing and metallurgy** (Testing and Research Laboratories), **1930.** 1932. 215p. Tables.

Contents.—*(1) General review of investigations, by W. B. Timm.—Reports of investigations: (2) Metallic Ores Section, by C. S. Parsons, and others; (3) Non-metallic Minerals Section, by R. K. Carnochan and others; (4) Section of Ferrous Metallurgy, by T. W. Hardy, H. H. Bleakney, and W. S. Jenkins.—Report of the Chemical Laboratories, by H. C. Mabee.*

50¢. *Cat. No. M32-724*

Reports and maps—Rapports.—*Continued—Suite.*

725.—**Investigations of fuels and fuel testing** (Testing and Research Laboratories), **1930 and 1931.** 1933. 166p. 3 pls., 17 figs., 4 charts, tables.

Contents.—*General review of investigations, by B. F. Haanel and R. E. Gilmore.—Part I: Solid fuels; (1) Summary of tests on British Columbia coals (see report No. 725-3); (2) Results of twenty-eight hand and stoker-fired boiler trials (see report No. 725-3); (3) Classification of coals using specific volatile index (see report No. 725-2); (4) Analyses of solid fuels (see report No. 725-4);—Part II: Natural gas and liquid fuels: (1) Analyses of natural gas (see report No. 725-5); (2) Weathering of crude naphtha in Turner Valley (see report No. 725-5); (3) Experiments on the hydrogenation of Alberta bitumen (see reports 725-1 and 725-5); (4) Report on oil shales from New Glasgow area (see report No. 725-5); (5) Gasoline surveys (see report No. 725-5).*

50¢. *Cat. No. M32-725*

725-1.—**Experiments on the hydrogenation of Alberta bitumen and on the effect of pressure on the pyrolysis of methane,** by T. E. Warren. 1932. 21p. 2 pls., 12 figs., 4 tables.

Advance section of report No. 725.

25¢. *Cat. No. M32-725/1*

725-2.—**Classification of coals using specific volatile index,** by E. J. Burrough, E. Swartzman, and R. A. Strong. 1933. Pp. 36-50. 4 charts, tables.

Advance section of report No. 725.

10¢. *Cat. No. M32-725/2*

725-3.—**Boiler tests on coals and other solid fuels.** 1933. Pp. 17-35. 1 pl., tables.

Contents.—*Summary of tests on British Columbia coals when used as pulverized fuel, by E. S. Malloch.—Notes on pulverized fuel fired steam generators versus other types, by B. F. Haanel.—Results of twenty-eight hand and stoker fired boiler trials made with various fuels on a patented grate, by E. S. Malloch and C. E. Baltzer.*

Reprint of Sections I and II, (Part I) of report No. 725.

10¢. *Cat. No. M32-725/3*

725-4.—**Analyses of solid fuels,** compiled by J. H. H. Nicolls and C. B. Mohr. 1933. Pp. 51-91. 3 tables.

Reprint of section IV, (Part I) of report No. 725.

25¢. *Cat. No. M32-725/4*

725-5.—**Natural gas and liquid fuels.** 1933. Pp. 92-162. 2 pls., figs., tables.

Contents.—*Analyses of natural gas during 1930 and 1931, by P. V. Rosewarne and R. J. Offord.—Weathering of crude naphtha in Turner Valley, by P. V. Rosewarne and W. P. Campbell.—Experiments on the hydrogenation of Alberta bitumen (see report No. 725-1).—Report on oil shales from New Glasgow area, Pictou county, Nova Scotia, and from Port Daniel, Bonaventure county, Quebec, by A. A. Swinnerton.—Gasoline surveys for 1930 and 1931, by H. McD. Chantler.*

Reprint of Part II of report No. 725.

25¢. *Cat. No. M32-725/5*

726.—**Investigations in ceramics and road materials** (Testing and Research Laboratories), **1930 and 1931.** 1933. 175p. 1 pl., 28 figs., 6 tables.

Contents.—*Introduction, by Howells Fréchette.—Ceramics: Ceramic bodies for electrical heating devices; (2) Colour control of brick, by L. P. Collin; (3) Roofing-tile clays and shales of eastern Canada. by*

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727.—**Investigations of mineral resources and the mining industry, 1931.** 1932. 153p. 36 pls., 7 figs., tables.

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Advance section of report No. 727.

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Advance section of report No. 737.
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Advance section of report No. 737.

Out of print. *Cat. No. M32-737/3*

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Advance section of report No. 737.

Out of print. *Cat. No. M32-737/4*

737-5.—**Anthracite and coke analysis survey conducted at the Fuel Research Laboratories.** 1933. 13p. 3 tables.

Advance section of report No. 737.

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Voir le rapport nº 739 pour l'édition française. See map No. 702.

Out of print. *Cat. No. M32-738*

739.—**Les industries minérales du Canada, 1933,** compilation par A. H. A. Robinson avec la coopération du personnel de la Division des mines. 1934. 123p. 34 planches, tableaux, 1 carte.

See report No. 738 for English edition.

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Accompanying report No. 742.

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See maps No. 740 and 741. See also reports No. 682, 733, 755, 781, and 811.

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Contents.—*Investigation No. 483-510.*
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See also reports No. 627, 713, 828, and 854.

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Appendix — Appendice

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Bulletin Series, also issued and listed within the "Report and Map Series" of the Mines Branch. Nos. 1-33. 1909-1921.

Bulletins, série de rapports publiés entre 1909 et 1921 dans la série générale de la Division des mines. Les Bulletins traduits en français sont indiqués dans le tableau qui suit.

NOTE

The following table is a cross-reference to the numbers used for the Report and Map Series where the complete bibliographical information is given.

Le tableau suivant donne la référence au numéro où on trouvera la description détaillée de la publication dans la série de rapport de la Division des mines.

Bulletin No. — N°	Report No. Rapport n°	Title — Titre
1	30	Investigation of the peat bogs...1909-09.
2	67	Iron ore deposits of the Bristol Mine.
2F	314	Gisements de minerais de fer de la mine Bristol.
3	68	Recent advances in the construction of electric furnaces.
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4	71	Investigation of the peat bogs...1909-10.
5	82	Magnetic concentration experiments.
6	111	Diamond drilling at Point Mamainse.
7	110	Western portion of Torbrook iron ore deposits.
8	151	Investigation of the peat bogs...1910-11.
8F	180	Recherches sur les tourbières...1910-11.
9	266	Investigation of the peat bogs...1911-12.
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10	336	Notes on clay deposits near McMurray.
11	351	Investigation of the peat bogs...1913-14.
11F	352	Recherches sur les tourbières...1913-1914.
12	385	Investigation of a reported discovery of phosphate at Banff.
12F	386	Recherches sur un gisement de phosphate signalé dans l'Alberta.

Bulletin Series—Bulletins—*Continued—Suite.*

Bulletin No.—N°	Report No. Rapport n°	Title—Titre
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14	430	Coal-fields and coal industry of Eastern Canada.
15	432	The mining of thin-coal seams.
16	435	Mineral springs of Canada; part 1.
17	447	Value of peat fuel for the generation of steam. Not published.
19	466	Test of some Canadian sandstones.
20	472	Mineral springs of Canada; part 2.
21	476	Occurrence and testing of foundry moulding sands.
22	479	Analysis of Canadian fuels, part I.
23	480	Analysis of Canadian fuels, part II.
24	481	Analysis of Canadian fuels, part III.
25	482	Analysis of Canadian fuels, part IV.
26	483	Analysis of Canadian fuels, part V.
27	496	Results of forty-one steaming tests.
28	502	The economic use of coal for steam-raising and house-heating.
29	507	Potash recovery at cement plants.
30	519	Smelter-treatment rates.
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52.—**Status of hydrogenation of petroleum, bitumen, coal tar and coal,** by T. E. Warren. January, 1932. 8p.

Prepared in the Division of Fuels and Fuel Testing.

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53.—**A world survey of recent oil shale developments,** by A. A. Swinnerton. January, 1932. 9p. Table.

Prepared in the Division of Fuels and Fuel Testing.

Out of print. *Cat. No. M33-53*

54.—**The semi-direct production of nickel steel from Sudbury ore,** by T. W. Hardy and H. H. Bleakney. March, 1932. 16p. Tables.

Prepared in the Division of Ore Dressing and Metallurgy.

25¢. *Cat. No. M33-54*

55.—**A classification of coals for use in the by-product coking industry,** by E. J. Burrough and E. Swartzman, reviewed by R. E. Gilmore. March, 1932. 7p. 2 figs., 1 table.

Prepared in the Division of Fuels and Fuel Testing.

Out of print. *Cat. No. M33-55*

Memorandum Series—Mémoires.—*Continued—Suite.*

56.—**Summary of test on British Columbia coals when used as pulverized fuel,** by E. S. Malloch, and, **Notes on pulverized fuel fired steam generators Vs. other types,** by B. F. Haanel. August, 1932. 15p.
Out of print. ***Cat. No. M33-56***

57.—**Refractory clays in Canada,** by J. F. McMahon. September, 1932. 26p.
Prepared in the Division of Ceramics and Road Materials.
Out of print. ***Cat. No. M33-57***

58.—**The Mineragraphic Laboratory, Mines Branch,** by W. B. Timm and M. H. Haycock. February, 1933. 10p.
Prepared in the Division of Ore Dressing and Metallurgy.
Out of print. ***Cat. No. M33-58***

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Prepared in the Division of Mineral Resources.
Out of print. ***Cat. No. M33-62***

63.—**Analyses of samples of natural gas from Ontario in 1932 and 1933,** by P. V. Rosewarne and R. J. Offord, July, 1934. 4p. Tables.
Prepared in the Division of Fuels and Fuel Testing.
25¢. ***Cat. No. M33-63***

64.—**Industrial waters of Canada,** Interim report No. 1, by Harald A. Leverin. April, 1936. 32p. Tables.
Prepared in the Division of Industrial Minerals.
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65.—**Analyses of some fuel oil sold in Canada,** by P. V. Rosewarne and H. McD. Chantler. December, 1936. 5p. Tables.
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66.—**Industrial waters of Canada,** interim report No. 2, by Harald A. Leverin. May, 1937. 30p. Tables. Diagrams.
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67.—**What Canada is doing in steel,** by Alfred W. G. Wilson. August, 1937. 11p.
Prepared in the Division of Metallic Minerals.
Out of print. ***Cat. No. M33-67***

Memorandum Series—Mémoires.—*Continued—Suite.*

68.—**Industrial waters of Canada,** interim report No. 3, by Harald A. Leverin. July, 1938. 52p. Tables.
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69.—**The concentration of Canadian molybdenite ores,** by W. B. Timm and C. S. Parsons. January, 1939. 13p. Tables.
Prepared in the Division of Metallic Minerals.
Out of print.
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70.—**Grindability indices of typical Canadian and other coals, and the relation of grindability to friability,** by R. E. Gilmore and J. H. H. Nicolls. May, 1939. 25p. Tables.
Prepared in the Division of Fuels.
Out of print.
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71.—**Fusion point of coal ash (F.P.A.) determinations,** by R. E. Gilmore and R. J. Young. May, 1939. 13p. Tables. Plates.
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72.—**Industrial waters of Canada,** interim report No. 4, by Harald A. Leverin. September, 1939. 37p. Tables.
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74.—**Physical and chemical survey of coals from Canadian collieries: Inverness county coalfield, Nova Scotia,** by R. A. Strong and others. December, 1939. 68p. Illus., tables, graphs, map.
Prepared in the Division of Fuels.
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75.—**Preliminary report on brucite deposits in Ontario and Quebec, and their commercial possibilities,** by M. F. Goudge. December, 1939. 57p. 2 pls., 3 figs.
Prepared in the Division of Industrial Minerals.
Out of print.
Cat. No. M33-75

76.—**Peat moss deposits in New Brunswick,** by H. A. Leverin. January, 1940. 10p.
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77.—**Industrial waters in Canada,** interim report No. 5, by Harald A. Leverin. June, 1940. 30p. Tables.
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78.—**Physical and chemical survey of coals from Canadian collieries:** Number 2, **Cumberland county coalfield, Nova Scotia,** by R. A. Strong and others. June, 1940. 110p. 4pls., 28 figs., tables.
Prepared in the Division of Fuels.
Out of print.
Cat. No. M33-78

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Memorandum Series—Mémoires.—*Continued—Suite.*

79.—**Physical and chemical survey of coals from Canadian collieries:** Number 3, **Pictou county coalfield, Nova Scotia,** by R. A. Strong and others. April, 1941. 125p. 15 figs., tables.
Prepared in the Division of Fuels.
Out of print. ***Cat. No. M33-79***

80.—**Peat moss deposits in eastern Canada.** A survey of areas offering industrial possibilities, by H. A. Leverin. March, 1941. 81p.
Prepared in the Division of Industrial Minerals.
Out of print. ***Cat. No. M33-80***

81.—**Peat moss deposits in eastern Canada,** investigations in 1941, by H. A. Leverin. June, 1942. 37p.
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83.—**Peat moss deposits in Canada,** investigations in 1942, by H. A. Leverin. February, 1943. 43p.
Prepared in the Division of Industrial Minerals.
Voir le mémoire nº 84 pour l'édition française.
Out of print. ***Cat. No. M33-83***

84.—**Dépôts de tourbe de mousse dans la province de Québec,** par H. A. Leverin. Juin 1943. 38p. Tableaux.
Préparé dans la Section des minéraux industriels.
See Memorandum No. 83 for English edition.
50¢. ***Nº de cat. M33-84F***

85.—**Industrial waters of Canada,** interim report No. 6, by H. A. Leverin. January, 1944. 40p. Tables.
Prepared in the Division of Industrial Minerals.
Out of print. ***Cat. No. M33-85***

86.—**Peat moss deposits in western Canada,** investigations in 1943, by H. A. Leverin. January, 1944. 16p.
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Out of print. ***Cat. No. M33-88***

89.—**Physical and chemical survey of coals from Canadian collieries:** Number 4, **Minto coalfield, New Brunswick,** by E. Swartzman and others. December, 1944. 202p. 2 pls., 43 figs.
Prepared in the Division of Fuels.
Out of print. ***Cat. No. M33-89***

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90.—**The peat moss industry in Canada,** by A. A. Swinnerton. February, 1946. 12p. Maps.
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90.—**L'industrie de la tourbe de mousse au Canada,** par A. A. Swinnerton. Février 1946. 14p. 2 cartes.
Préparé dans la Section des minéraux industriels.
25¢. *N° de cat. M33-90F*

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95.—**The sampling and examination of clay and shale deposits,** by A. T. Prince. October, 1947. Rev. ed. November 1, 1952. 8p.
Prepared in the Division of Mineral Dressing and Process Metallurgy.
25¢. *Cat. No. M33-95*

96.—**Determination of uranium in ores by field analysis,** by F. E. Senftle, C. McMahon, and G. G. Eichholz. 1949. Rev. ed. 1955. 27p. Illus., tables.
Prepared in the Division of Radioactivity.
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97.—**Physical and chemical survey of coals from Canadian collieries: Part 5, Drumheller coalfield, Alberta,** by E. Swartzman and J. H. H. Nicolls. December, 1947. 167p. Tables, graphs, map.
Prepared in the Division of Fuels.
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98.—**Gasoline survey for summer, 1947,** by H. McD. Chantler, P. B. Seely and F. E. Goodspeed. March, 1948. 10p. Tables, graphs.
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See also Report No. 836 and No. 850.
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122.—**Preliminary report on coated lightweight concrete aggregate from Canadian clays and shales: Part IV, New Brunswick, Nova Scotia, and Prince Edward Island,** by J. G. Matthews. August, 1952. 47p. Figures, map.
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125.—**Tin in Canada: Occurrences and uses,** by W. R. McClelland. 1952. 18p. Tables, map.
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126.—**Preliminary report on coated lightweight concrete aggregate from Canadian clays and shales: Part V, Quebec,** by H. S. Wilson. August, 1953. 36p. Figures, map.
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126F.—**Rapport préliminaire traitant d'un agrégat enrobé et léger à béton, fait d'argiles et de schistes canadiens: Partie 5, Québec,** par H. S. Wilson. 1954. 40p. 4 figures, 1 carte.
Préparé par le Service des minéraux industriels.
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127.—**Preparation and burning of peat as a domestic fuel,** by H. P. Hudson and T. R. Skerry. 1954. 19p. Illus., table, graphs.
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132.—**Interim report on hardness of major Canadian water supplies,** by J. F. J. Thomas. 1956. 18p. Tables.

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25¢. *Cat. No. M33-132*

133.—**Power and population:** Canada's present electricity requirements and the long-term outlook, by C. E. Baltzer and John Convey. 1956. 25p. Illus., maps.

Prepared in the Division of Fuels.

Voir le mémoire nº 133F pour l'édition française.

10¢. *Cat. No. M33-133*

133F.—**Énergie et population:** Besoins présents du Canada en matière d'électricité; perspective d'avenir, par C. E. Baltzer et John Convey. 1957. 29p. Ill., cartes.

Préparé par le Service des combustibles.

See Memorandum No. 133 for English edition.

10¢. *Nº de cat. M33-133F*

134.—**Canadian silica industry,** by R. K. Collings. 1956. 22p. Tables.

Prepared in the Division of Industrial Minerals.

25¢. *Cat. No. M33-134*

Memorandum Series—Mémoires.—*Continued—Suite.*

Memorandum Series—Mémoires.—*Continued—Suite.*

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TECHNICAL PAPERS

Mines Branch Technical Papers. No. 1- , 1953- .

This series was begun in 1953 and is restricted to reports on the methods and results of research carried out in Mines Branch laboratories. Prior to 1953, many of such reports were published in the Memorandum Series. They are reproduced by offset processes.

1.—**The determination of thorium in ores by the column method,** by R. J. Guest. 1953. 24p. Figs., tables.
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25¢. *Cat. No. M34-1*

2.—**The constitution of bone china; Part I: High temperature phase equilibrium studies in the system tricalcium phosphate-alumina-silica,** by P. D. S. St. Pierre. 1953. 107p. Illus., tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
50¢. *Cat. No. M34-2*

3.—**The colorimetric determination of copper with 2,2-diquinolyl in minerals and ores,** by R. J. Guest. 1953. 18p. Tables, graphs.
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4.—**The determination of aluminum by the fluorophotometric method,** by J. B. Zimmerman. 1953. 12p. Table, graphs.
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5.—**Effect of germanium on the transformation of white to grey tin at comparatively low temperature,** by R. R. Rogers and J. F. Fydell. 1953. 11p. Illus., tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢. *Cat. No. M34-5*

6.—**The determination of uranium in concentrates by the fluorophotometric method,** by J. B. Zimmerman, F. T. Rabbitts, and E. D. Kornelsen. 1953. 9p. Illus., tables.
Prepared in the Radioactivity Division.
25¢. *Cat. No. M34-6*

7.—**The constitution of bone china; Part II: Reactions in bone china bodies,** by P. D. S. St. Pierre. 1954. 20p. Figs., tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢. *Cat. No. M34-7*

8.—**The determination of uranium in uranium concentrates using ethyl acetate,** by R. J. Guest and J. B. Zimmerman. 1954. 19p. Tables, graphs.
Prepared in the Radioactivity Division.
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9.—**Electrode potentials and the dissolution of gold,** by G. Thomas. 1954. 14p. Figs.
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25¢ *Cat. No. M34-9*

10.—**Electronic concentration of low grade ores with the Lapointe Picker,** by A. H. Bettens and C. M. Lapointe. 1955. 13p. Illus., tables.
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11.—**Refining antimony by electrode position and by distillation,** by R. R. Rogers and R. A. Campbell. 1955. 14p. Illus., tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢. *Cat. No. M34-11*

12.—**The constitution of bone china; Part III: High temperature phase equilibrium studies in the system tricalcium phosphate-anorthite-silica,** by P. D. S. St. Pierre. 1955. 19p. Figs., tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
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13.—**Development of the Port Radium leaching process for recovery of uranium.** 1955. 22p. Figs., tables.
Prepared in the Radioactivity Division.
25¢. *Cat. No. M34-13*

14.—**Measurement of thorium in ores by the thorium emanation method,** by J. B. Zimmerman and J. A. F. Bouvier. 1955. 21p. Illus., tables, graphs.
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Prepared in the Radioactivity Division.
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16.—**Master sieves at the Mines Branch for standardization of the sieves of the mining industry,** by J. Brannen and L. E. Djingheuzian. 1956. 36p. Tables.
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17.—**Cyclone atomizer for briquet binder,** by J. Visman. 1957. 14p. Illus., tables, charts. 25cm.
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Technical Papers.—*Continued.*

LISTS OF OPERATORS OF MINES, MILLS AND METALLURGICAL WORKS

List No.	Title	Price	Cat. No.
1-1	**Metallurgical works in Canada**		
	Part I: **Primary iron and steel.** Annual.	.25	*M36-1011*
	Part II: **Non-ferrous and precious metals.** Annual.	.25	*M36-1012*
1-2	**Milling plants in Canada**		
	Part I: **Metallic ores.** Annual.	.25	*M36-1021*
	Part II: **Industrial minerals.** Annual.	.25	*M36-1022*
2-1	**Metal and industrial mineral mines in Canada.** Annual.	.25	*M36-2010*
	Note: Supersedes the following lists:		
2-1	Gold Mines in Canada. 1948	o.p.	*M36-2011*
2-2	Cobalt-silver mines in Canada. 1954	o.p.	*M36-2020*
2-3	Copper, copper-nickel, copper-zinc mines in Canada. 1948	o.p.	*M36-2030*
2-4	Silver-lead-zinc mines in Canada. 1948	o.p.	*M36-2040*
2-5	Iron mines in Canada. 1943	o.p.	*M36-2050*
2-6	Molybdenum, antimony, tungsten mines in Canada. 1948	o.p.	*M36-2060*
2-7	Molybdenum deposits. 1943	o.p.	*M36-2070*
3-1	Abrasives in Canada. 1929	o.p.	*M36-3010*
3-2	Asbestos mines in Canada. 1930	o.p.	*M36-3020*
3-3	Feldspar mines in Canada. 1939	o.p.	*M36-3030*
3-4	Graphite mines in Canada. 1929	o.p.	*M36-3040*
3-5	Gypsum mines in Canada. 1950	o.p.	*M36-3050*
3-6	Magnesium sulphate (epsomite), sodium carbonate, and sodium sulphate (Glauber's salt) operators in Canada. 1929	o.p.	*M36-3060*
3-7	Operators of mica properties. 1942	o.p.	*M36-3070*
3-8	Producers of mineral pigments in Canada. 1929	o.p.	*M36-3080*
3-9	Quartz (silica) mines in Canada. 1930 ...	o.p.	*M36-3090*
3-10	Salt wells and mines in Canada. 1930	o.p.	*M36-3100*
3-11	Talc and soapstone mines in Canada. 1930 ..	o.p.	*M36-3110*
3-12	Miscellaneous non-metals. 1928	o.p.	*M36-3120*
3-13	Fluorspar mines in Canada. 1943	o.p.	*M36-3130*

Lists of Operators—*Continued.*

List No.	Title	Price	Cat. No.
4-1	**Coal mines in Canada.** Annual.	.25	*M36-4010*
4-2	**Producers of coke in Canada.** 1940. ..	.25	*M36-4020*
4-3	**Peat producers in Canada.** 1948.	.25	*M36-4030*
5-1	Petroleum and natural gas. 1930. Discontinued	o.p.	*M36-5010*
5-2	**Petroleum refineries in Canada.** Annual.	.25	*M36-5020*
6-1	**Cement mills in Canada.** 1950.	.25	*M36-6010*
6-2	Sand-lime brick plants in Canada. 1929. Discontinued	o.p.	*M36-6020*
6-3	**Manufacturers of clay products in Canada.** 1950.	.25	*M36-6030*
6-4	**Lime kilns in Canada.** 1949.	.25	*M36-6040*
6-5	Sand and gravel pits. 1929. Discontinued	o.p.	*M36-6050*
6-6	**Stone quarry operators in Canada.** 1948.	.25	*M36-6060*
7-1	**Exploration companies in Canada.** 1948.	.25	*M36-7010*

MAP 900A

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7th EDITION

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	Cat. No.	Price
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Act, R.S.C., 1952, c. 26, 26p.	YX54-26	.25
—amended, S.C., 1956, c. 22. 1p.	YX3-223/c.22	.15
Examination Regulations, P.C. 1955-1956 SOR/55-396 (November 9, 1955) 6p. ..	*	
Tariff of Fees, SOR/54-102 (April 14, 1954), 1p.	*	
Department of Mines and Technical Surveys:		
Act, R.S.C., 1952, c. 73. 4p.	YX54-73	.15
Emergency Gold Mining Assistance:		
Act, R.S.C., 1952, c. 95. 10p.	YX54-95	.15
—amended, R.S.C., 1952, c. 318. 2p.	YX54-318	.15
—amended, S.C., 1952-53, c. 32. 2p.	YX3-217/c.32	.15
—amended, S.C., 1953-54, c. 26. 1p.	YX3-221/c.26	.15
—amended, S.C., 1955, c. 19. 2p.	YX3-222/c.19	.15
—amended, S.C., 1956, c. 20. 1p.	YX3-223/c.20	.15
Act and regulations. Office consolidation. 1956. 39p.	YX1-4056	.25
Regulations, P.C. 1954-863, SOR/54-236 (June 23, 1954). 22p.	SP2-554/236	.25
—amended, P.C. 1956-11, SOR/56-17, Schedules replaced. 13p.	SP2-556/17	.15
Explosives:		
Act, R.S.C., 1952, c. 102. 11p.	YX54-102	.15
—amended, S.C., 1953-54, c. 14. 4p.	YX3-221/c.14	.15
Regulations, P.C. 1956-349, SOR/56-88. 68p.	SP2-556/88	.55
—amended, P.C. 1956-1552, SOR/56-396. 1p.	SP2-556/396	.15
—amended, P.C. 1957-335, SOR/57-84: Ammonium nitrate and fuel oil order. 1p.	SP2-557/84	.15

*Note.—*Contained in the regular issue of the Canada Gazette, Part II, cited in each case. Price for single copies, 50¢.*

LOIS ET RÈGLEMENTS

Appliqués par le ministère des Mines et des Relevés techniques

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Arpentage des terres du Canada:		
Loi, S.R.C., 1952, c. 26. 27p.	*YX54-26F*	.25
—modifiée, S.C., 1956, c. 22. 1p.	*YX3-223/c.22F*	.15
Règlements:		
Examens sur l'arpentage, C.P. 1955-1556, DORS/55-396 (9 novembre 1955). 6p.	*	
Tarif des droits, DORS/54-102 (14 avril 1954). 1p.	*	
Exploitation des mines d'or (aide):		
Loi, S.R.C., 1952, c. 95. 10p.	*YX54-95F*	.15
—modifiée, S.R.C., 1952, c. 318. 2p.	*YX54-318F*	.15
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Règlements, C.P. 1954-863, DORS/54-236 (23 juin 1954). 24p.	*	
—modifiés (annexes) C.P. 1956-11, DORS/56-17. 13p.	*SP2-556/17F*	.15
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Loi, S.R.C., 1952, c. 102. 11p.	*YX54-102F*	.15
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Règlements, C.P. 1956-349, DORS/56-88. 73p.	*SP2-556/88F*	.55
—modifiés, C.P. 1956-1552, DORS/56-396. 1p.	*SP2-556/396F*	.15
—Modifiés, C.P. 1957-335, DORS/57-84. 1p.	*SP2-557/84F*	.15
Ministère des Mines et des Relevés techniques:		
Loi, S.R.C., 1952, c. 73. 4p.	*YX54-73F*	.15

*__Note.__—*Voir la livraison régulière de la* **Gazette du Canada, partie 2,** *à la date citée. Prix: 50¢. l'exemplaire.*

ANNUAL REPORTS

Reports of the Department of Mines for the fiscal years ending March 31, during the period **1921 to 1936.** Included are statements from the Geological Survey, the National Museum of Canada (formerly Victoria Memorial Museum), the Mines Branch, the Explosives Division, the Editorial Division and the Accounting Division.

Note.—*The Department of Mines from 1907 to 1920 did not prepare an annual report distinct from the annual summary reports issued by the Geological Survey of Canada and the Mines Branch. These annual summary reports of the Mines Branch are listed under the series of reports, see pages 21 to 86.*

Year	Pages	Pub. No.	Price	Cat. No.	Year	Pages	Pub. No.	Price	Cat. No.
1921	47p.	1903	.10	*M1-21*	1929	58p.	2217	.25	*M1-29*
1922	48p.	1968	.10	*M1-22*	1930	61p.	2269	.25	*M1-30*
1923	58p.	2005	.10	*M1-23*	1931	61p.	2297	.25	*M1-31*
1924	71p.	2047	.15	*M1-24*	1932	50p.	2315	.25	*M1-32*
1925	75p.	2076	.15	*M1-25*	1933	43p.	2338	.25	*M1-33*
1926	77p.	2116	.20	*M1-26*	1934	44p.	2360	.25	*M1-34*
1927	59p.	2142	.15	*M1-27*	1935	48p.	2402	.25	*M1-35*
1928	65p.	2182	.15	*M1-28*	1936	54p.	2423	.25	*M1-36*

Reports of the Department of Mines and Resources for the fiscal years ended March 31, during the period **1937 to 1949.** Included are statements from the Mines and Geology Branch, the Lands, Parks and Forests Branch, the Surveys and Engineering Branch, the Indian Affairs Branch, the Immigration Branch, and reports of Soldier Settlement of Canada for 1937 to 1944.

Year	Pages	Price	Cat. No.	Year	Pages	Price	Cat. No.
1937	333p.	.50	*M1-37*	1944	231p.	.50	*M1-44*
1938	330p.	.50	*M1-38*	1945	220p.	.50	*M1-45*
1939	351p.	.50	*M1-39*	1946	258p.	.50	*M1-46*
1940	258p.	.50	*M1-40*	1947	270p.	.50	*M1-47*
1941	244p.	.50	*M1-41*	1948	270p.	.50	*M1-48*
1942	192p.	.50	*M1-42*	1949	256p.	.50	*M1-49*
1943	207p.	.50	*M1-43*				

Reports of the Department of Mines and Technical Surveys for the fiscal years ended March 31, for the period beginning in 1950. Included are statements from the Explosives Division, the Surveys and Mapping Branch, the Geological Survey of Canada, the Mines Branch, the Dominion Observatories, and the Geographical Branch.

Year	Pages	Price	Cat. No.	Year	Pages	Price	Cat. No.
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1953	98p.	.50	*M1-53*				
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Summary of activities of the Department of Mines and Technical Surveys for the calendar years for the period beginning in 1950.

Year	Pages	Price	Cat. No.	Year	Pages	Price	Cat. No.
1950 (1st)	37p.	No charge	*M2-50*	1955 (6th)	51p.	No charge	*M2-55*
1951 (2nd)	50p.	No charge	*M2-51*	1956 (7th)	63p.	No charge	*M2-56*
1952 (3rd)	90p.	No charge	*M2-52*				
1953 (4th)	65p.	No charge	*M2-53*				
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Reports on the Administration of the Emergency Gold Mining Assistance Act for the fiscal years ended March 31, for the period beginning in 1949.

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1950 (2nd)	21p.	.10	*M21-50*	1956 (8th)	29p.	.10	*M21-56*
1951 (3rd)	25p.	.10	*M21-51*	1957 (9th)	in press	.10	*M21-57*
1952 (4th)	30p.	.10	*M21-52*				
1953 (5th)	31p.	.10	*M21-53*				
1954 (6th)	36p.	.10	*M21-54*				

Preliminary mineral reviews. Canadian mineral industry. Published annually. The series comprises about 65 separate reviews of metallics, industrial minerals and fuels.

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List of preliminary reviews for 1956

METALLICS

1. **Aluminum** in Canada, 1956, by H. A. Graves
2. **Antimony** in Canada, 1956, by D. B. Fraser
3. **Bismuth** in Canada, 1956, by D. B. Fraser
4. **Cadmium** in Canada, 1956, by D. B. Fraser
5. **Chromite** in Canada, 1956, by R. J. Jones
6. **Cobalt** in Canada, 1956, by R. J. Jones
7. **Copper** in Canada, 1956, by R. E. Neelands
8. **Gold** in Canada, 1956, by T. W. Verity
9. **Indium** in Canada, 1956, by D. B. Fraser
10. **Iron ore** in Canada, 1956, by T. H. Janes
11. **Lead** in Canada, 1956, by D. B. Fraser
12. **Magnesium** in Canada, 1956, by H. A. Graves
13. **Manganese** in Canada, 1956, by R. J. Jones
14. **Molybdenum** in Canada, 1956, by R. J. Jones
15. **Nickel** in Canada, 1956, by R. E. Neelands
16. **Niobium and tantalum** in Canada, 1956, by R. J. Jones
17. **Platinum metals** in Canada, 1956, by R. E. Neelands
18. **Selenium** in Canada, 1956, by R. E. Neelands
19. **Silver** in Canada, 1956, by D. B. Fraser
20. **Tellurium** in Canada, 1956, by R. E. Neelands
21. **Tin** in Canada, 1956, by H. D. Worden
22. **Titanium** in Canada, 1956, by T. H. Janes
23. **Tungsten** in Canada, 1956, by R. J. Jones
24. **Uranium** in Canada, 1956, by A. H. Lang
25. **Zinc** in Canada, 1956, by D. B. Fraser

INDUSTRIAL MINERALS

26. **Abrasives** in Canada, 1956, by R. M. Buchanan

    Includes: *Corundum, emery, garnet, quartz, grindstones, pumice, grind pebbles*

27. **Aggregates, lightweight,** in Canada, 1956, by H. S. Wilson
28. **Arsenic trioxide** in Canada, 1956, by R. M. Buchanan
29. **Asbestos** in Canada, 1956, by H. M. Woodrooffe
30. **Barite** in Canada, 1956, by V. A. Haw
31. **Bentonite** in Canada, 1956, by R. M. Buchanan

Preliminary mineral reviews.—*Continued.*

32. **Building and ornamental stone** in Canada, 1956, by V. A. Haw
33. **Cement** in Canada, 1956, by V. A. Haw
34. **Clays and clay products** in Canada, 1956, by S. Matthews
35. **Diatomite** in Canada, 1956, by E. G. DeWolf
36. **Feldspar** in Canada, 1956, by J. R. Reeves
37. **Fluorspar** in Canada, 1956, by E. G. DeWolf
38. **Graphite** in Canada, 1956, by J. R. Reeves
39. **Gypsum and anhydrite** in Canada, 1956, by R. K. Collings
40. **Industrial waters** in Canada, 1956, by J. F. J. Thomas
41. **Iron oxide** in Canada, 1956, by R. M. Buchanan
42. **Lime** in Canada, 1956, by H. M. Woodrooffe
43. **Limestone, general** in Canada, 1956, by H. M. Woodrooffe
44. **Lithium minerals** in Canada, 1956, by V. A. Haw
45. **Magnesite and brucite** in Canada, 1956, by H. M. Woodrooffe
46. **Mica** in Canada, 1956, by J. R. Reeves
47. **Nepheline syenite** in Canada, 1956, by J. R. Reeves
48. **Phosphate** in Canada, 1956, by J. R. Reeves
49. **Potash** in Canada, 1956, by M. F. Goudge
50. **Roofing granules** in Canada, 1956, by F. E. Hanes
51. **Salt** in Canada, 1956, by R. K. Collings
52. **Sand and gravel** in Canada, 1956, by F. E. Hanes
53. **Silica** in Canada, 1956, by R. K. Collings
54. **Sodium sulphate** in Canada, 1956, by E. G. DeWolf
55. **Sulphur and pyrites** in Canada, 1956, by M. F. Goudge
56. **Talc and soapstone** in Canada, 1956, by J. R. Reeves
57. **Vermiculite** in Canada, 1956, by H. S. Wilson
58. **Whiting** in Canada, 1956, by H. M. Woodrooffe

FUELS

59. **Coal and coke** in Canada, 1956, by E. Swartzman and E. J. Burrough
60. **Natural gas** in Canada, 1956, by R. B. Toombs
61. **Peat** in Canada, 1956, by A. A. Swinnerton
62. **Petroleum, crude** in Canada, 1956, by R. B. Toombs

RAPPORTS ANNUELS

Rapports du ministère des Mines pour l'année financière se terminant le 31 mars, pour la période **1921-1936** comprenant les rapports de la Commission géologique, du Musée national, de la Division des mines, de la Division des explosifs, de la Division des publications et de la Division de la comptabilité.

Note.—*Le Ministère des Mines depuis sa création en 1907 jusqu'en 1920 ne prépara pas de rapports annuels distincts des rapports sommaires de ses deux Divisions principales: la Commission géologique et la Division des mines. Les rapports sommaires de la Division des mines font partie de sa série de rapports.* *(Voir pages 21-86.)*

Année	Pages	Pub. nº	Prix	*Nº de cat.*	Année	Pages	Pub. nº	Prix	*Nº de cat.*
1921	49p.	1954	.10	*M1-21F*	1929	62p.	2231	.25	*M1-29F*
1922	50p.	1973	.10	*M1-22F*	1930	65p.	2276	.25	*M1-30F*
1923	62p.	2011	.10	*M1-23F*	1931	39p.	2307	.25	*M1-31F*
1924	75p.	2054	.15	*M1-24F*	1932	31p.	2334	.25	*M1-32F*
1925	79p.	2090	.15	*M1-25F*	1933	27p.	2342	.25	*M1-33F*
1926	83p.	2123	.20	*M1-26F*	1934	30p.	2361	.25	*M1-34F*
1927	63p.	2148	.15	*M1-27F*	1935	41p.	2408	.25	*M1-35F*
1928	67p.	2203	.15	*M1-28F*	1936	44p.	2431	.25	*M1-36F*

Rapports du ministère des Mines et des Ressources pour l'année financière terminée le 31 mars, pour la période **1937-1949** comprenant les rapports de la Division des mines et de la géologie, de la Division des terres, parcs et forêts, de la Division des arpentages et du génie, de la Division des affaires indiennes, de la Division de l'immigration, et le rapport sur l'établissement des soldats au Canada pour les années 1937-1944.

Année	Pages	Prix	*Nº de cat.*	Année	Pages	Prix	*Nº de cat.*
1937	352p.	.50	*M1-37F*	1944	259p.	.50	*M1-44F*
1938	346p.	.30	*M1-38F*	1945	234p.	.50	*M1-45F*
1939	372p.	.50	*M1-39F*	1946	280p.	.50	*M1-46F*
1940	268p.	.50	*M1-40F*	1947	292p.	.50	*M1-47F*
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1942	200p.	.50	*M1-42F*	1949	284p.	.50	*M1-49F*
1943	224p.	.50	*M1-43F*				

Rapports du ministère des Mines et des Relevés techniques pour l'année financière terminée le 31 mars, pour la période 1950-

Sommaire.—*Introduction.—Division des mines.—Commission géologique du Canada.—Division des levés et de la cartographie.—Observatoires fédéraux.—Division de la géographie.—Publications.*

Année	Pages	Prix	*Nº de cat.*	Année	Pages	Prix	*Nº de cat.*
1950	127p.	.50	*M1-50F*	1954	115p.	.50	*M1-54F*
1951	110p.	.50	*M1-51F*	1955	120p.	.50	*M1-55F*
1952	129p.	.50	*M1-52F*	1956	113p.	.50	*M1-56F*
1953	112p.	.50	*M1-53F*				

Exposé sommaire des travaux du ministère des Mines et des Relevés techniques pour les années civiles à partir de 1950.

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1950 (1er)	42p.	Épuisé	*M2-50F*	1954 (5e)	52p.	Gratuit	*M2-54F*
1951 (2e)	53p.	Gratuit	*M2-51F*	1955 (6e)	60p.	Gratuit	*M2-55F*
1952 (3e)	73p.	Gratuit	*M2-52F*	1956 (7e)	76p.	Gratuit	*M2-56F*
1953 (4e)	81p.	Gratuit	*M2-53F*				

Rapports sur l'application de la Loi d'urgence sur l'aide à l'exploitation des mines d'or, pour les années financières terminées le 31 mars à partir de 1949.

Année	Pages	Prix	*N° de cat.*	Année	Pages	Prix	*N° de cat.*
1949 (1er)	13p.	.10	*M21-49F*	1954 (6e)	36p.	.10	*M21-54F*
1950 (2e)	21p.	.10	*M21-50F*	1955 (7e)	41p.	.10	*M21-55F*
1951 (3e)	27p.	.10	*M21-51F*	1956 (8e)	31p.	.10	*M21-56F*
1952 (4e)	30p.	.10	*M21-52F*	1957 (9e)	sous presse	.10	*M21-57F*
1953 (5e)	31p.	.10	*M21-53F*				

Industrie minière du Canada; rapports préliminaires sur les minéraux. Cette série annuelle comprend près de 65 feuillets individuels sur les métaux, les minéraux industriels et les combustibles.

Liste des rapports préliminaires pour 1956

METAUX

1. **Aluminium** au Canada en 1956, par H. A. Graves
2. **Antimoine** au Canada en 1956, par D. B. Fraser
3. **Argent** au Canada en 1956, par D. B. Fraser
4. **Bismuth** au Canada en 1956, par D. B. Fraser
5. **Cadmium** au Canada en 1956, par D. B. Fraser
6. **Chromite** au Canada en 1956, par R. J. Jones
7. **Cobalt** au Canada en 1956, par R. J. Jones
8. **Cuivre** au Canada en 1956, par R. E. Neelands
9. **Étain** au Canada en 1956, par H. D. Worden
10. **Minerai de fer** au Canada en 1956, par T. H. Janes
11. **Indium** au Canada en 1956, par D. B. Fraser
12. **Magnésium** au Canada en 1956, par H. A. Graves
13. **Manganèse** au Canada en 1956, par R. J. Jones
14. **Molybdène** au Canada en 1956, par R. J. Jones
15. **Nickel** au Canada en 1956, par R. E. Neelands
16. **Niobium et tantale** au Canada en 1956, par R. J. Jones
17. **Or** au Canada en 1956, par T. W. Verity
18. **Platinides** au Canada en 1956, par R. E. Neelands
19. **Plomb** au Canada en 1956, par D. B. Fraser

Rapports préliminaire, 1956.—*Suite.*

20. **Sélénium** au Canada en 1956, par R. E. Neelands
21. **Tellure** au Canada en 1956, par R. E. Neelands
22. **Titane** au Canada 1956, par T. H. Janes
23. **Tungstène** au Canada en 1956, par R. J. Jones
24. **Uranium** au Canada en 1956, par A. H. Lang
25. **Zinc** au Canada en 1956, par D. B. Fraser

MINÉRAUX INDUSTRIELS

26. **Abrasifs** au Canada en 1956, par R. M. Buchanan
    Comprend: Corindon, émeri, grenat, quartz, pierre meulière, pumicite et cailloux d'affûtage.
27. **Agrégats légers** au Canada en 1956, par H. S. Wilson
28. **Amiante** au Canada en 1956, par H. M. Woodrooffe
29. **Argiles et produits d'argile** au Canada en 1956, par S. Matthews
30. **Arsenic** (Oxyde arsénieux) au Canada en 1956, par R. M. Buchanan
31. **Barytine** au Canada en 1956, par V. A. Haw
32. **Bentonite** au Canada en 1956, par R. M. Buchanan
33. **Blanc d'Espagne et succédané du blanc d'Espagne** au Canada en 1956, par H. M. Woodrooffe
34. **Calcaire** (en général) au Canada en 1956, par H. M. Woodrooffe
35. **Chaux** au Canada en 1956, par H. M. Woodrooffe
36. **Ciment** au Canada en 1956, par V. A. Haw
37. **Diatomite** au Canada en 1956, par E. G. DeWolf
38. **Eaux industrielles** au Canada en 1956, par J. F. J. Thomas
39. **Feldspath** au Canada en 1956, par J. R. Reeves
40. **Granules à couvertures** au Canada en 1956, par F. E. Hanes
41. **Graphite** au Canada en 1956, par J. R. Reeves
42. **Gypse et anhydrite** au Canada en 1956, par R. K. Collings
43. **Lithinifères, minéraux** au Canada en 1956, par V. A. Haw
44. **Magnésite et brucite** au Canada en 1956, par H. M. Woodrooffe
45. **Mica** au Canada en 1956, par J. R. Reeves
46. **Oxydes de fer** (pigments) au Canada en 1956, par R. M. Buchanan
47. **Phosphate** au Canada en 1956, par J. R. Reeves
48. **Pierres de construction et de décoration** au Canada en 1956, par V. A. Haw
49. **Potasse** au Canada en 1956, par M. F. Goudge
50. **Sable et gravier** au Canada en 1956, par F. E. Hanes
51. **Sel** au Canada en 1956, par R. K. Collings
52. **Silicides** au Canada en 1956, par R. K. Collings
53. **Soufre et pyrites** au Canada en 1956, par M. F. Goudge
54. **Spath fluor** au Canada en 1956, par E. G. DeWolf

Rapports préliminaire, 1956.—*Suite.*

55. **Sulfate de sodium** au Canada en 1956, par E. G. DeWolf
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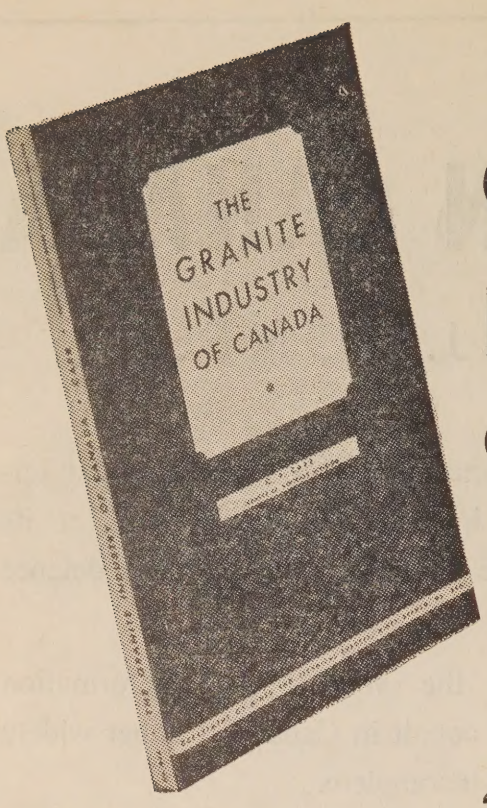

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